Drinking Water Surveillance Program

ST. THOMAS (ELGIN) WATER SUPPLY SYSTEM

Annual Report 1989



ST. THOMAS (ELGIN) WATER SUPPLY SYSTEM

DRINKING WATER SURVEILLANCE PROGRAM

ANNUAL REPORT 1989

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January 1991



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ANNUAL REPORT 1989

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EXECUTIVE SUMMARY

DRINKING WATER SURVEILLANCE PROGRAM

ST. THOMAS (ELGIN) WATER SUPPLY SYSTEM 1989 ANNUAL REPORT

The Drinking Water Surveillance Program (DWSP) for Ontario is a monitoring program providing immediate, reliable, current information on drinking water quality. The DWSP officially began in April 1986 and is designed to eventually include all municipal supplies in Ontario. In 1989, 65 plants were being monitored.

The St. Thomas (Elgin) Water Treatment Plant is a conventional treatment plant which treats water from Lake Erie. The process consists of coagulation, flocculation, sedimentation, filtration, disinfection and fluoridation. This plant has a design capacity of $45.0 \times 1000 \, \text{m}^3/\text{day}$ and serves a population of approximately 54,500.

Water samples from the raw, treated and two distribution sites were taken on a monthly basis. The St. Thomas (Elgin) Water Treatment Plant was sampled for the presence of approximately 180 parameters monthly during 1989. Parameters were divided into the following groups: Bacteriological, Inorganic and Physical (Laboratory Chemistry, Field Chemistry and Metals) and Organic (Chloroaromatics, Chlorophenols, Pesticides and PCB, Phenolics, Polyaromatic Hydrocarbons, Specific Pesticides and Volatiles). Chlorophenols and Specific Pesticides were analyzed in June and November only.

A summary of results is shown in Table A.

Inorganic and Physical parameters were below any applicable health related ODWOs.

Samples were analyzed monthly for the presence of approximately 110 Organics. Levels did not exceed health related guidelines.

During 1989, the DWSP sampling results indicated that the St. Thomas (Elgin) Water Supply System produced good quality water at the plant and this quality was maintained in the distribution system.

DRINKING WATER SURVEILLANCE PROGRAM ST TH

ST THOMAS (ELGIN WSS)

SUMMARY TABLE BY SCAN

SCAN	TESTS	RAW POSITIVE XPOSITIVE	SITIVE	TRI	TREATED TESTS POSITIVE %POSITIVE	OSITIVE	SI	SITE 1 TESTS POSITIVE XPOSITIVE		SI TESTS	SITE 2 TESTS POSITIVE XPOSITIVE	XPOSITIVE	
THE COLORS	72	76	*	7	u	:			1 P		•		1
PACIENTOLOGICAL	የ	47	8	9	n	5	ရ	^	51	55	2	•	
CHEMISTRY (FLD)	9£	36	100	22	22	100	143	143	100	132	132	100	
CHEMISTRY (LAB)	252	210	83	252	182	22	777	357	80	407	326	80	
METALS	288	5,1	62	265	122	97	296	300	53	517	273	52	
CHLOROAROMATICS	154	0	0	168	0	0	168	0	0	154	0	0	
CHLOROPHENOLS	12	0	0	12	0	0	٠	٠	•	٠	•	٠	
РАН	188	0	0	188	0	0	٠		4	٠	٠	٠	
PESTICIDES & PCB	387	0	0	408	0	0	343	0	0	309	0	0	
PHENOL I CS	12	10	83	12	6 0	8	•		٠	٠	•	•	
SPECIFIC PESTICIDES	\$	0	0	9	0	0	12	0	0	Ξ	0	0	
VOLATILES	348	0	0	348	87	13	290	0,5	13	290	07	13	
	1777	459		1826	437		2000	845		1853	774		

NO KNOWN HEALTH RELATED GUIDELINES WERE EXCEEDED

TOTAL

A POSITIVE VALUE DENOTES THAT THE RESULT IS GREATER THAN THE STATISTICAL LIMIT OF DETECTION AND IS QUANTIFIABLE A POSITIVE VALUE DENOTES THAT NO SAMPLE WAS TAKEN

DRINKING WATER SURVEILLANCE PROGRAM ST. THOMAS (ELGIN) WATER SUPPLY SYSTEM 1989 ANNUAL REPORT

INTRODUCTION

The Drinking Water Surveillance Program (DWSP) for Ontario is a monitoring program providing immediate, reliable, current information on drinking water quality. The DWSP officially began in April 1986 and is designed to eventually include all municipal supplies in Ontario. In 1989, 65 plants were being monitored.

The DWSP was initiated at the St. Thomas (Elgin) Water Supply System in March 1987. Annual reports were published for 1987 and 1988 (ISSN 0840-5255).

This report contains information and results for 1989.

In order to accommodate the increasing number of plants on the DWSP and to facilitate the timely completion of the 1989 annual reports, plants with two or more years of published data will receive an abbreviated annual report. This report maintains the same general format as in previous years but does not include a comprehensive discussion of results. For more detail on the parameters analyzed and discussion of results, consult the 1987 and 1988 reports.

PLANT DESCRIPTION

The St. Thomas (Elgin) Water Supply System uses a conventional treatment plant which treats water from Lake Erie. The process consists of coagulation, flocculation, sedimentation, filtration, disinfection and fluoridation. Powdered activated carbon is added for taste and odour control. This plant has a rated capacity of 45 x 1000 $\rm m^3/day$ and flows for the day of sampling ranging from 23.1 x 1000 $\rm m^3/day$ to 31.8 x 1000 $\rm m^3/day$. It serves a population of approximately 54,500.

The plant location is shown in Figure 1. Plant process details, in a block schematic, are shown in Figure 2. General plant information is presented in Table 2.

SAMPLING AND ANALYSIS

Plant operating personnel perform analyses on the following parameters for process control (Table 1).

Water at the St. Thomas (Elgin) Water Treatment plant and at two locations in the distribution system was sampled for the presence of approximately 180 parameters monthly in 1989. The Specific Pesticides and Chlorophenols scans were sampled in June and November only. Polyaromatic Hydrocarbons and Phenolics are only analyzed in the raw and treated water at the plant. As of August

FIGURE 1

DRINKING WATER SURVEILLANCE PROGRAM SITE LOCATION MAP ELGIN WATER SUPPLY SYSTEM



ELGIN/ST THOMAS WTP

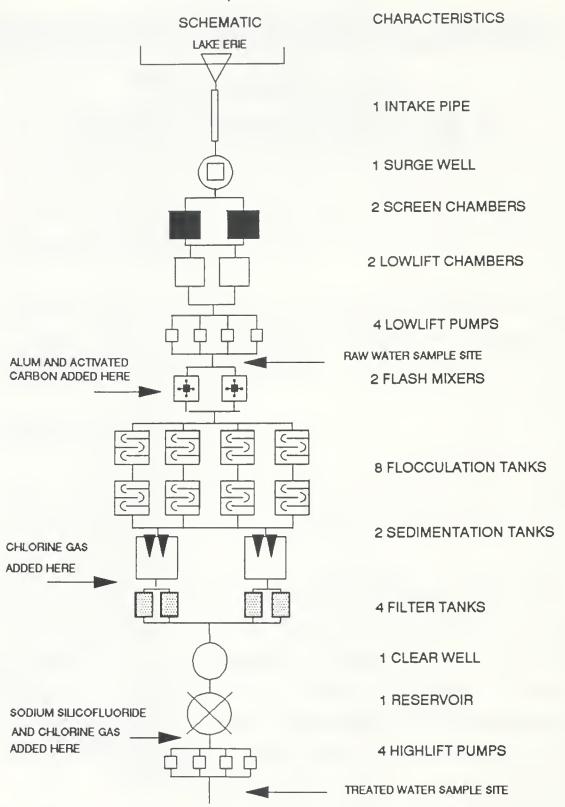


TABLE 1

DRINKING WATER SURVEILLANCE PROGRAM ANNUAL REPORT

IN-PLANT MONITORING ST. THOMAS (ELGIN) WTP 1989

PARAMETER	LOCATION	FREQUENCY
Aluminum residual	Treated water	weekly
Chlorine residual-free total	Treated water Treated water	daily every 4 hrs
Fluoride	Treated water	daily
Н	Treated water	daily
Temperature	Treated water	daily
Turbidity	Raw intake line Treated water	continuous every 4 hrs

TABLE 2

DRINKING WATER SURVEILLANCE PROGRAM ANNUAL REPORT GENERAL INFORMATION

ELGIN/ST THOMAS WATER SUPPLY SYSTEM

LOCATION: BOX 514

ST THOMAS, ONTARIO COUNTY ROAD 24

(519-782-3101)

SOURCE: RAW WATER SOURCE - LAKE ERIE

RATED CAPACITY: 45 (1000 M3/DAY)

<u>OPERATION:</u> MINISTRY OF THE ENVIRONMENT

PLANT SUPERINTENDENT: R. POWER

MINISTRY REGION: SOUTHWESTERN

DISTRICT OFFICER: MR. P. BOLGER

MUNICIPALITY SERVED	POPULATION
ST THOMAS	31,350
YARMOUTH TWP BAYHAM TWP	7,927 3,922
SOUTHWOLD TWP MALAHIDE TWP	4,342 5,257
VIENNA VILLAGE	282
PT. BURWELL VILLAGE PT. BRUCE VILLAGE	681 421

1989, the analysis of Triazine pesticides was dropped from the distribution sample. Laboratory analysis was conducted at the Ministry of the Environment facilities in Rexdale, Ontario.

RESULTS

Field Chemistry measurements were recorded on the day of sampling and were entered on the DWSP database as submitted by plant personnel.

Table 3 contains information on the sample day retention time, flow rate and treatment chemicals used and their associated dosages.

Table 4 is a summary break-down of the number of water samples analyzed by parameter and by water type. The number of times that a positive or trace result was detected is also reported.

Positive denotes that the result is greater than the statistical limit of detection established by the Ministry of the Environment (MOE) laboratory staff and is quantifiable. Trace (<T) denotes that the level measured is greater than the lowest value detectable by the method but lies so close to the detection limit that it cannot be confidently quantified.

Table 5 presents the results for parameters detected on at least one occasion.

Table 6 lists all parameters analyzed on DWSP.

Associated guidelines and detection limits are also supplied on tables 5 and 6. Parameters are listed alphabetically within each scan.

DISCUSSION

General

Water quality is judged by comparison with the Ontario Drinking Water Objectives (ODWOs) as defined in the 1984 publication (ISBN 0-7743-8985-0). The Province of Ontario has health related and aesthetic objectives for 49 parameters. These are currently under review. When an ODWO is not available, guidelines/limits from other agencies are consulted. The Parameters Listing System (PALIS), recently published (ISBN 0-7729-4461-X) by the MOE, catalogues and keeps current over 1750 guidelines for 650 parameters from agencies throughout the world.

Many of the compounds detected are naturally occurring or are treatment by-products.

IN THIS REPORT, DISCUSSION IS LIMITED TO THE TREATED AND DISTRIBUTED WATER AND ADDRESSES ONLY THOSE PARAMETERS WITH CONCENTRATIONS ABOVE GUIDELINE VALUES AND

ORGANICS WITH DETECTED POSITIVE RESULTS.

Results for the treated and distributed water indicate that no health related guidelines were exceeded.

Inorganic and Physical Parameters

Aluminum

The plant operational guideline of 100 μ g/L as Al in water leaving the plant was exceeded in six treated water samples.

Organic Parameters

Tribalomethanes

Trihalomethanes (THMs) are acknowledged to be produced during the water treatment process and will always occur in chlorinated surface waters. THMs are comprised of Chloroform, Chlorodibromomethane and Dichlorobromomethane. Bromoform occurs occasionally. Results are reported for the individual compounds as well as for total THMs. All Total THM occurrences, in the treated and distributed samples ranging from 25.9 to 80.0 μ g/L, were well below the ODWO of 350 μ g/L.

CONCLUSIONS

No health related water quality guidelines were exceeded.

Results listed in this report for 1989 are consistent with results reported for previous years.

The treated water was of good quality and this was maintained in the distribution system.

TABLE 3

DRINKING WATER SURVEILLANCE PROGRAM ST THOMAS (ELGIN WSS) SAMPLE DAY CONDITIONS FOR 1989

	SAMPLE DA	SAMPLE DAY CONDITIONS	S¥	TREATMENT	TREATMENT CHEMICAL DOSAGES (MG/L)			
			COACHATION		TASTE & ODOUR	PRE-CHLORINATION	POST-CHLORINATION	FLUORIDATION
			ALUM LIQUID	POLYALUMINUM SULPHATE	ACTIVATED CARBON POWDER CHLORINE	CHLORINE	CHLORINE	SODIUM SILICOFLUORIDE
DATE	DELAY* TIME(HRS)	FLOW (1000M3)						
70 NAL	10.1	23.1	14.20	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	2.40	1.10	.25	1.20
FFR 07	10.1	23.1	14.00	٠	2.40	1.10	.18	1.20
MAR 14	4.9	31.8	5,50	•	2.00	1.15	.20	1.20
APR 04	7.9	31.8	20.00		2.00	1.15	.22	1.20
MAY 01	10.1	23.1	•	6.50	2.00	1.15	.22	1.20
HIN 06	10.1	23.1	6.50	٠	2.10	1.25	.35	1.20
101 05	4.9	31.8	11.50	•	2.90	1.50	.25	1.20
A116 09	10.1	23.1	8.50	٠	4.10	1.50	.45	1.00
SEP 06	7.9	31.8	16.50	٠	9.20	1.30	.43	1.00
OCT 17	10.1	23.1		8,50	4.50	1.15	.35	1.00
MOV 07	10.1	23.1	23.50	٠	4.50	1.25	07.	1.00
DEC 05	10.1	23.1	•	20.00	4.50	.23	1.09	

^{*} THE DELAY TIME BETWEEN THE RAW AND TREATED WATER SAMPLING, SHOULD ESTIMATE THE RETENTION TIME.

TABLE 4

DRINKING WATER SURVEILLANCE PROGRAM ELGIN

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SCAN	PARAMETER	TOTAL	TOTAL POSITIVE TRACE	TRACE	TOTAL POSITIVE TRACE	ITIVE TR		TOTAL POSITIVE TRACE	TIVE TI	RACE	TOTAL	TOTAL POSITIVE	TRACE
BACTERIOLOGICAL	FECAL COLIFORM MF	12	2	0	5 5 8 8 8 8 8 9								
	STANDRD PLATE CNT MF	٠	٠	٠	12	м	0	12	2	0	11	M	0
	TOTAL COLIFORM MF	12	7	0	12	0	0	12	0	0	11	0	0
	T COLIFORM BCKGRO MF	12	12	0	12	2	0	12	м	0	=	0	0
*TOTAL SCAN BACTERIOLOGICAL	10L0G1CAL	%	5%	0	36	2	0	*	5	0	33	M	0
*TOTAL GROUP BACTERIOLOGICAL	RIOLOGICAL	%	54	0	38	2	0	3%	2	0	33	М	0
CHEMISTRY (FLD)	FLD CHLORINE (COMB)		•		12	12	0	24	24	0	22	22	0
	FLD CHLORINE FREE	٠	٠	٠	12	12	0	54	54	0	22	22	
	FLD CHLORINE (TOTAL)	٠	•	٠	12	12	0	54	54	0	22	22	
	FLO PH	12	12	0	12	12	0	54	54	0	22	22	0
	FLD TEMPERATURE	12	12	0	12	12	0	23	23	0	22	22	Ŭ
	FLO TURBIDITY	12	12	0	12	12	0	54	57	0	22	22	Ŭ
*TOTAL SCAN CHEMISTRY (FLD)	TRY (FLD)	38	%	0	22	22	0	143	143	0	132	132	0
CHEMISTRY (LAB)	ALKALINITY	12	12	0	12	12	0	24	57	0	22	22	
	CALCIUM	12	12	0	12	12	0	54	54	0	22	22	Ū
	CYANIDE	12	0	-	12	0	0	12	0	0	11	0	0
	CHLOR IDE	12	12	0	12	12	0	54	54	0	22	22	
	COLOUR	12	2	7	12	0	Ξ	54	0	20	22	0	÷
	VILLITIVITY	12	12	c	12	12	c	3/	٦/	c	0	**	•

TABLE 4

DRINKING WATER SURVEILLANCE PROGRAM ELGIN

SUMMARY TABLE OF RESULTS (1989)

		SITE											
	PARAMETER	TOTAL	RAW POSITIVE TRACE	TRACE	TRE TOTAL P	TREATED TOTAL POSITIVE TRACE	RACE	SI TOTAL P	SITE 1 TOTAL POSITIVE TRACE	RACE	SITE 2 TOTAL POSITIVE TRACE	Æ TRA	띯
	FLUORIDE	12	12	0	12	12	0	24	24	0		22	0
	HARDNESS	12	12	0	12	12	0	57	57	0	22	22	0
	IONCAL	12	12	0	12	12	0	54	54	0		22	0
	LANGELIERS INDEX	12	12	0	12	12	0	54	54	0		22	0
	MAGNESIUM	12	12	0	12	12	0	54	54	0		22	0
,	SODIUM	12	12	0	12	12	0	54	54	0		22	0
	AMMONIUM TOTAL	12	-	9	12	-	9	54	M	12	22	-	13
	NITRITE	12	7	2	12	0	80	54	0	19	22	0	15
_	TOTAL NITRATES	12	12	0	12	12	0	54	54	0		22	0
	NITROGEN TOT KJELD	12	12	0	12	12	0	54	54	0		22	0
-	М	12	12	0	12	12	0	54	54	0		22	0
-	PHOSPHORUS FIL REACT	12	80	M	12	0	2	٠	•	•		•	
-	PHOSPHORUS TOTAL	12	12	0	12	-	10	٠	•	•			
3,	SULPHATE	12	12	0	12	12	0	54	54	0	22	22	0
	TURBIDITY	12	12	0	12	12	0	57	81	9	22	17	S
*TOTAL SCAN CHEMISTRY (LAB)	LAB)	252	210	22	252	182	07	777	357	57	205	326	25
	SILVER	12	0	7	=	0	м	24	0	€0	22	0	9
	ALUMINUM	12	12	0	Ξ	=	0	54	54	0	22	22	0
	ARSENIC	12	10	2	=	2	٥	54	2	22	22	-	20
-	BARIUM	12	12	0	=	Ξ	0	54	54	0	22	22	0
-	BORON	12	10	2	=	11	0	54	21	m	22	20	2
_	BERYLLIUM	12	0	=	=	0	œ	57	0	14	22	0	٥

TABLE 4

DRINKING WATER SURVEILLANCE PROGRAM ELGIN

SUMMARY TABLE OF RESULTS (1989)

	PARAMETER		RAW		TREATED	TEO .		S	SITE 1	٠	SITE 2 TOTAL BOSTITIVE TOACE	2	PACE
METALS CADI		TOTAL PC	POSITIVE TRACE	TRACE	TOTAL POSITIVE TRACE	SITIVE I		TOTAL #	TOTAL POSITIVE TRACE	TRACE	100	1 VE -	325
CO8/ CHRC COPI	CADMIUM	12	0	7	=	0	2	24	0	7	22	0	9
CHRC	ALT	12	2	10	=	0	11	54	0	22	22	0	22
Idoo	CHROMIUM	12	9	9	=	9	m	54	13	60	22	9	10
	PER	12	12	0	1	9	'n	54	54	0	22	25	0
IROM	*	12	Ξ	0	11	-	9	54	0	60	22	0	20
MER	MERCURY	12	0	12	12	M	٥	12	2	10	11	-	10
MANG	MANGANESE	12	11	0	=	٥	2	54	17	7	22	22	0
MOLI	MOLYBDENUM	12	0	M	=	Ξ	0	54	54	0	22	22	0
NICKEL	KEL	12	M	0	=	0	10	54	M	21	22	M	100
LEAD	0	12	=	-	=	-	7	54	23	-	22	22	0
ANT	ANTIMONY	12	12	0	=	=	0	54	57	0	22	22	0
SELE	SELENIUM	12	-	7	=	-	7	54	0	18	22	-	16
STRC	STRONTIUM	12	12	0	=	=	0	54	54	0	22	22	0
4111	TITANIUM	12	Ξ	-	=	10	-	54	21	М	22	17	10
THAI	THALLIUM	12	-	٥	=	0	7	54	0	Ξ	22	0	9
URAN	URANIUM	12	12	0	=	٥	2	54	22	2	22	20	2
VAN	VANADIUM	12	10	2	=======================================	M	60	54	0	16	22	7	15
ZINC	U	12	Ξ	-	11	۱ ۰	9	54	54	0	22	21	-
*TOTAL SCAN METALS		288	5	8	265	122	103	564	300	181	517	273	168
*TOTAL GROUP INORGANIC & PHYSICAL	PHYSICAL	576	425	106	589	376	143	1151	800	238	1056	731	220
CHIOROAROMATICS	HEXACHI OBORUTADI ENE	11		-	12	-		12	c	0		-	-
	124 TOTCHI DOORENZENE	: ;	• •	· c	1 5	· c	· c	1 2	• •	· c		· c	· c

TABLE 4

ORINKING WATER SURVEILLANCE PROGRAM ELGIN

SUMMARY TABLE OF RESULTS (1989)

		SITE											
SCAH	PARAMETER	TOTAL	RAW TOTAL POSITIVE TRACE	RACE	TREATED TOTAL POSITIVE TRACE	D TIVE TRA		SITE 1 TOTAL POSITIVE TRACE	1 TIVE TR		SITE 2 TOTAL POSITIVE		TRACE
CHLOROAROMATICS	1234 T-CHLOROBENZENE	=	0	0	12	0	. 0	12	0	0	11	0	0
	1235 T-CHLOROBENZENE	11	0	0	12	0	0	12	0	0	11	0	0
	124 TRICHLOROBENZENE	11	0	0	12	0	0	12	0	0	11	0	0
	1245 T-CHLOROBENZENE	11	0	0	12	0	0	12	0	0	=	0	0
	135 TRICHLOROBENZENE	1	0	0	12	0	0	12	0	0	=	0	0
	HCB	1	0	0	12	0	0	12	0	0	11	0	0
	HEXACHLOROETHANE	=	0	0	12	0	0	12	0	0	11	0	0
	OCTACHLOROSTYRENE	11	0	0	12	0	0	12	0	0	11	0	0
	PENTACHLOROBENZENE	1	0	0	12	0	0	12	0	0	11	0	0
	236 TRICHLOROTOLUENE	=	0	0	12	0	0	12	0	0	11	0	0
	245 TRICHLOROTOLUENE	=	0	0	12	0	0	12	0	0	1	0	0
	26A TRICHLOROTOLUENE	=	0	0	12	0	0	12	0	0	11	0	0
			,							٠			
*TOTAL SCAN CHLOROAROMATICS	MATICS	154	0	0	168	0	0	168	0	0	154	0	0
					1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1	1		0 0	1	6 1 1 1 1 1 1	1	
CHLOROPHENOLS	234 TRICHLOROPHENOL	2	0	0	2	0	0	•	•	•	•		
	2345 T-CHLOROPHENOL	2	0	0	2	0	0			•	•	•	
	2356 T-CHLOROPHENOL	2	0	0	2	0	0		•		•		
	245-TRICHLOROPHENOL	2	0	0	2	0	0		•	•	٠		
	246-TRICHLOROPHENOL	2	0	0	2	0	0		•				•
	PENTACHLOROPHENOL	2	0	0	2	0	0		•	•			
*TOTAL SCAN CHLOROPHENOLS	NOLS	12	0	0	12	0	0	0	0	0	0	0	0
		!			!	,	,	,	,	ı		,)

TABLE 4

DRINKING WATER SURVEILLANCE PROGRAM ELGIN

SUMMARY TABLE OF RESULTS (1989)

		SILE											
			RAW		TREATED	ED .		SIT	SITE 1		SITE 2		
SCAN	PARAMETER	TOTAL	TOTAL POSITIVE TRACE	RACE	TOTAL POS	TOTAL POSITIVE TRACE		OTAL PO	TOTAL POSITIVE TRACE		TOTAL POSITIVE TRACE	ETRA	CE
РАН	PHENANTHRENE	12	0	0	12	0	0						
	ANTHRACENE	12	0	0	12	0	0	•					
	FLUORANTHENE	12	0	0	12	0	0	•					•
	PYRENE	12	0	0	12	0	0	٠					•
	BENZO(A)ANTHRACENE	12	0	0	12	0	0	•					•
	CHRYSENE	12	0	0	12	0	0						•
	DIMETH. BENZ(A)ANTHR	m	0	0	M	0	0	•			•		•
	BENZO(E) PYRENE	12	0	0	12	0	0	•	•		•		٠
	BENZO(B) FLUORANTHEN	12	0	0	12	0	0		•				٠
	PERYLENE	12	0	0	12	0	0	•	•				•
	BENZO(K) FLUORANTHEN	12	0	0	12	0	0	•			•		٠
	BENZO(A) PYRENE	2	0	0	2	0	0	•	•		•		٠
	BENZO(G, H, 1) PERYLEN	12	0	0	12	0	0	٠	•				٠
	DIBENZO(A, H) ANTHRAC	12	0	0	12	0	0	٠	•				٠
	INDENO(1,2,3-C,0) PY	12	0	0	12	0	0	•					٠
	BENZO(B) CHRYSENE	12	0	0	12	0	0	•					٠
	CORONENE	12	0	0	12	0	0	•	•				٠
*TOTAL SCAN PAH		188	0	0	188	0	0	0	0		0	0	0
										1			
PESTICIDES & PCB	ALDRIM	1	0	0	12	0	0	12	0 0	-	=	0	0
	ALPHA BHC	=	0	9	12	0	4	12	0	_		0	M
	BETA BHC	Ξ	0	0	12	0	0	12	0	-	11	0	0
	LINDANE	11	0	-	12	0	-	12	0		11	0	0

TABLE 4

DRINKING WATER SURVEILLANCE PROGRAM ELGIN

SUMMARY TABLE OF RESULTS (1989)

PESTICIDES & PCB

	SITE												
	RAW	3		TREATED	TEO		SI	SITE 1		SITE 2	2		
PARAMETER	TOTAL POSITIVE TRACE	T1VE	IRACE	TOTAL POSITIVE TRACE	SITIVE	TRACE	TOTAL P	TOTAL POSITIVE TRACE	TRACE	TOTAL POSITIVE TRACE	TIVE	TRACE	
ALPHA CHLORDANE	11	0	0	12	0	0	12	0	0	11	0	0	
GAMMA CHLORDANE	11	0	0	12	0	0	12	0	0	11	0	0	
DIELDRIN	11	0	0	12	0	0	12	0	0	11	0	0	
METHOXYCHLOR	11	0	0	12	0	0	12	0	0	11	0	0	
ENDOSULFAN 1	11	0	0	12	0	0	12	0	0	11	0	0	
ENDOSULFAN II	11	0	0	12	0	0	12	0	0	11	0	0	
ENDRIN	11	0	0	12	0	0	12	0	0	11	0	0	
ENDOSULFAN SULPHATE	11	0	0	12	0	0	12	0	0	11	0	0	
HEPTACHLOR EPOXIDE	11	0	0	12	0	0	12	0	0	11	0	0	
HEPTACHLOR	11	0	0	12	0	0	12	0	0	11	0	0	
MIREX	1	0	0	12	0	0	12	0	0	11	0	0	
OXYCHLORDANE	11	0	0	12	0	0	12	0	0	1	0	0	
OP00T	11	0	0	12	0	0	12	0	0	1	0	0	
PCB	11	0	0	12	0	0	12	0	0	11	0	0	
000	11	0	0	12	0	0	12	0	0	11	0	0	
PPOOE	11	0	0	12	0	0	12	0	0	11	0	0	
PPDDT	=	0	0	12	0	0	12	0	0	11	0	0	
AMETRINE	12	0	0	12	0	0	7	0	0	9	0	0	
ATRAZINE	12	0	-	12	0	-	7	0	0	9	0	-	
ATRATONE	12	0	0	12	0	0	7	0	0	9	0	0	
CYANAZINE (BLADEX)	12	0	0	12	0	0	7	0	0	9	0	0	
D-ETHYL ATRAZINE	12	0	0	12	0	0	7	0	0	9	0	0	
D-ETHYL SIMAZINE	12	0	0	12	0	0	7	0	0	9	0	0	
PROMETONE	12	0	0	12	0	0	7	0	0	9	0	0	
PROPAZINE	12	0	0	12	0	0	7	0	0	9	0	0	

TABLE 4

DRINKING WATER SURVEILLANCE PROGRAM ELGIN

SUMMARY TABLE OF RESULTS (1989)

SENCOR) 12 0 0 12 12 12 12 12 13 14 15 15 15 15 15 15 15			SITE											
S & PCB PROMETRYNE 12 0 0 12 SIMAZINE 12 0 0 12 SIMAZINE 12 0 0 12 ALACHLOR (LASSO) 12 0 0 12 METOLACHLOR 12 0 0 12 METOLACHLOR 12 0 0 12 NHENOLICS & PCB 387 0 8 408 NH PRENOLICS 12 10 1 12 AN PHENOLICS 12 0 0 2 2,4.5-T 2 0 0 2 2,4-0B 2 0 0 0 0 0 0 2,4-0B 2 0 0 0 0 0 0 2,4-0B 2 0 0 0 0 0 0 2,4-0B 2 0 0 0 0 0 0 0 2,4-0B 2 0 0 0 0 0 0 0 2,4-0B 2 0 0 0 0 0 0 0 2,4-0B 2 0 0 0 0 0 0 0 2,4-0B 2 0 0 0 0 0 0 0 2,4-0B 2 0 0 0 0 0 0 0 0 2,4-0B 2 0 0 0 0 0 0 0 0 2,4-0B 2 0 0 0 0 0 0 0 0 0 2,4-0B 2 0 0 0 0 0 0 0 0 0 0 2,4-0B 2 0 0 0 0 0 0 0 0 0 0 0 2,4-0B 2 0 0 0 0 0 0 0 0 0 0 0 0 0 2,4-0B 2 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	CAN	PARAMETER	TOTAL	RAW POSITIVE	TRACE	TRE, TOTAL PI	ATED OSITIVE T		SI TOTAL P	SITE 1 TOTAL POSITIVE TRACE	ACE	SITE 2 TOTAL POSITIVE TRACE	2 TIVE T	RACE
METRIBUZIN (SENCOR) 12 0 0 12 SIMAZINE ALACHLOR (LASSO) 12 0 0 12 METOLACHLOR (LASSO) 12 0 0 12 METOLACHLOR (LASSO) 12 0 0 12 METOLACHLOR (LASSO) 12 0 0 12 PHENOLICS 4 PCB 387 0 8 408 PHENOLICS 70XAPHENE 11 0 0 12 2,4,5-T 2,4-D 2	ESTICIDES & PCB	PROMETRYNE	12	0	0	12	0	0	7	0	0	9	0	0
ALACHLOR (LASSO) 12 0 0 12 ALACHLOR (LASSO) 12 0 0 12 METOLACHLOR (LASSO) 12 0 0 12 NHENOLICS & PCB 387 0 8 408 NHENOLICS 12 10 1 12 PHENOLICS 12 10 1 12 C.4.5-T 2 0 0 2 C.4.5-T 2 0 0 2 C.4.5-T 2 0 0 0 0 0 0 C.4.5-T 2 0 0 0 0			12	0	0	12	0	0	7	0	0	• • •	0	0
ALACHLOR (LASSO) 12 0 0 12 METOLACHLOR 12 0 0 12 METOLACHLOR 12 0 0 12 PHENOLICS & PCB 387 0 8 408 PHENOLICS 12 10 1 12 NA PHENOLICS 12 10 1 12 2,4,5-T 2 0 0 2 2,4-D 2,4-S-T 2 0 0 2 2,4-D PROPIONIC ACID 2 0 0 2 2,4-D PROPIONIC ACID 2 0 0 2 2,4-D PROPIONIC ACID 2 0 0 2 DICAMBA 2 0 0 0 2 DICALORAM 2 0 0 0 2 CHLORPYRIFOS 2 0 0 2 CHLORPYRIFOS 2 0 0 2 CHLORPYRIFOS 2 0 0 2		SIMAZINE	12	0	0	12	0	0	7	0	0	9	0	0
AN PESTICIDES & PCB AN PESTICIDES & PCB AN PHENOLICS AND AN AND AND AND AND AND AND AND AND A		ALACHLOR (LASSO)	12	0	0	12	0	0	7	0	0	9	0	0
AN PESTICIDES & PCB 387 0 8 408 AN PHENOLICS 12 10 1 12 AN PHENOLICS 12 10 1 12 2,4,5-T 2 0 0 2 2,4,5-T 2 0 0 0 2 2,4-D 2,4-D 2 0 0 2 2,4-D PROPIONIC ACID 2 0 0 2 2,4-D PROPIONIC ACID 2 0 0 2 DICAMBA 2 0 0 0 2 DICAMBA 2 0 0 0 2 DICALOROVOS 2 0 0 0 2 CHLORPYRIFOS 2 0 0 0 2 CHLORPYRIFOS 2 0 0 0 2		METOLACHLOR	12	0	0	12	0	0	7	0	0	9	0	0
PHENOLICS 12 10 1 12 AN PHENOLICS 12 10 1 12 2,4,5-T 2 0 0 2 2,4-D 3 2,	TOTAL SCAN PESTICIDE	ES & PCB	387	0	60	807	0	9	343	0	m	309	0	4
PHENOLICS 12 10 1 12 AN PHENOLICS 12 10 1 12 ESTICIDES TOXAPHENE 11 0 0 12 2,4.5-T 2 0 0 2 2,4-0B 2 2,4-0B 2 2,4-0B 2 0,4-0B 2 0,1-0ABA 0 0 0 2 01CALORAM 0 0 0 0 0 01CALOROVOS 0 0 0 2 01CHLOROVOS 0 0 0 2 01CHLOROVOS 0 0 0 2		0 0 0 1 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0		1		0 0 0								
12 10 1 12 TOXAPHENE 11 0 0 12 2,4.5-T 2 0 0 2 2,4-0B 2 0 0 2 DICAMBA 2 0 0 2 DICALORAM 2 0 0 2 DIAZINOM 2 0 0 2 CHLOROVISIOS 2 0 0 2 CHLORPYRIFOS 2 0 0 2	HENOL I CS	PHENOL I CS	12	10	-	12	60	М	•		٠		٠	٠
TOXAPHENE 11 0 0 12 2,4,5-T 2 0 0 2 2,4-D 2,4-D 2 0 0 2 2,4-D PROPIONIC ACID 2 0 0 2 DICAMBA 2 0 0 2 DICHLORAM 0 0 0 0 DIAZINON 2 0 0 2 CHLORPYRIFOS 2 0 0 2 CHLORPYRIFOS 2 0 0 2	TOTAL SCAN PHENOLICS	10	12	10	-	12	80	м	0	0	0	0	0	0
10XAPHENE 11 0 0 12 2,4,5-T 2 0 0 2 2,4-D 2 0 0 2 2,4-D 2 0 0 2 01CAMBA 2 0 0 2 PICHLORAM 0 0 0 0 SILVEX 2 0 0 2 O1AZINON 2 0 0 2 CHLORPYRIFOS 2 0 0 2 CHLORPYRIFOS 2 0 0 2					9				,			0 0 0 0 0 0 0		1
2 0 0 2 2 0 0 2 2 0 0 2 3 0 0 2 4 2 0 0 2 4 2 0 0 2 7 3 4 2 0 0 2 7 4 2 0 0 2 7 5 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7	PECIFIC PESTICIDES	TOXAPHENE	=======================================	0	0	12	0	0	12	0	0	11	0	0
2 0 0 2 COPIONIC ACID 2 0 0 2 W 0 0 0 2 W 2 0 0 2 V 2 0 0 2 V 2 0 0 2 V 2 0 0 2 V 3 2 0 0 2 V 4 2 0 0 2 V 6 2 0 0 2 V 7 2 0 0 2 V 7 2 0 0 2 V 7 2 0 0 2 V 7 2 0 0 2		2,4,5-T	2	0	0	2	0	0	٠	٠	٠		٠	٠
COPIONIC ACID 2 0 0 2 COPIONIC ACID 2 0 0 2 UN 0 0 0 0 0 (2 0 0 2 (2 0 0 2 (2 0 0 2 (3 0 0 2 (4 0 0 2 (5 0 0 0 2 (7 0 0 2 (7 0 0 0 2 (7 0 0 0 2 (7 0 0 0 2 (7 0 0 0 2 (7 0 0 0 2 (7 0 0 0 2 (7 0 0 0 2 (7 0 0 0 2 (7 0 0 0 2 (7 0 0 2		2,4-0	2	0	0	2	0	0	٠	٠	٠		٠	٠
ROPIONIC ACID 2 0 0 2 AM 0 0 0 0 2 AM 2 0 0 2 N 2 0 0 2 OVOS 2 0 0 2 RIFOS		2,4-08	2	0	0	2	0	0	٠	•	٠	٠		•
2 0 0 2 2 0 0 0 0 2 0 0 0 2 2 0 0 0 2 40S 2 0 0 0 2		2,4 D PROPIONIC ACID	2	0	0	2	0	0	٠	٠	٠	٠	٠	4
4 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0		DICAMBA	2	0	0	2	0	0	•	٠	٠	٠	٠	٠
2 0 0 2 2 0 0 2 40S 2 0 0 2 1FOS 2 0 0 2		PICHLORAM	0	0	0	0	0	0	٠	٠	•		٠	٠
2 0 0 2 VOS 2 0 0 2 IFOS 2 0 0 2		SILVEX	2	0	0	2	0	0	٠		٠			٠
2 0 0 0 2		DIAZINON	2	0	0	2	0	0	٠		٠	•	٠	•
2 0 0 2		DICHLOROVOS	2	0	0	2	0	0	٠	٠	•	•	٠	•
,		CHLORPYRIFOS	2	0	0	2	0	0	٠		•			•

TABLE 4

DRINKING WATER SURVEILLANCE PROGRAM ELGIN

SUMMARY TABLE OF RESULTS (1989)

		SITE											
SCAN	PARAMETER	TOTAL P	RAW TOTAL POSITIVE TRACE	TRACE	TREATED TOTAL POSITI	TREATED TOTAL POSITIVE TRACE		SITE 1 OTAL POSIT	SITE 1 TOTAL POSITIVE TRACE		SITE 2 TOTAL POSITIVE TRACE	TRACE	w
SPECIFIC PESTICIDES	ETHION	2	0	0	2	0	0	1 1 1 1 1 1 1 1		٠	٠		
	AZINPHOS-METHYL	-	0	0	-	0	0		•	•	•		
	MALATHION	2	0	0	2	0	0	•		٠	•		
	MEVINPHOS	2	0	0	2	0	0	•		•	٠		
	METHYL PARATHION	2	0	0	2	0	0	•		•	٠		
	METHYLTRITHION	2	0	0	2	0	0		•	•	•		
	PARATHION	2	0	0	2	0	0	•	•	٠	•		•
	PHORATE	2	0	0	2	0	0	•	•	٠	•		
	RELDAM	2	0	0	2	0	0			٠	•		
	RONNEL	2	0	0	2	0	0	•		٠	•		
	AMINOCARB	0	0	0	0	0	0	•		٠	•		•
	BENONYL	-	0	0	-	0	0	•		•	•		
	BUX	0	0	0	0	0	0	•	•	•	٠		
	CARBOFURAN	2	0	0	2	0	0	•		•	•		•
	CICP	2	0	0	2	0	0	٠		•	•		
	DIALLATE	2	0	0	2	0	0		•	•	•		
	EPTAM	-	0	0	-	0	0		•	•	•		
	IPC	2	0	0	2	0	0		•	•	•		
	PROPOXUR	2	0	0	2	0	0	•		•	•		
	CARBARYL	2	0	0	2	0	0	•		•	•		
	BUTYLATE	2	0	0	2	0	0			•	•		
*TOTAL SCAN SPECIFIC PESTICIDES	PESTICIDES	\$	0	0	65	0	0	12	0	=	0		0
												1	:
VOLATILES	BENZENE	12	0	0	12	0	0	10	0 0	10	0		0

TABLE 4

DRINKING WATER SURVEILLANCE PROGRAM ELGIN

SUMMARY TABLE OF RESULTS (1989)

SITE

VOLATILES

SCAN

TOTAL POSITIVE TRACE TO TOTAL POSITIVE TRACE TOTAL			RAW		_	TREATED		•	SITE 1		SITE	2		
12 0 0 12 0 0 1 0 1 0 0 1 1 0 0 0 1 1 0 0 0 1 1 1 0 0 0 1 1 1 1 0 0 0 1 1 1 1 0 0 0 1 1 1 1 0 0 0 1 1 1 1 0 0 0 1 1 1 1 0 0 0 0 1 1 1 1 0 0 0 0 1 1 1 1 0 0 0 0 1	\RAMETER	TOTAL	POSITIVE	TRACE	TOTAL	POSITIVE	TRACE	TOTAL	POSITIVE	TRACE	TOTAL POSITIVE TRACE	TIVE	TRACE	
12 0 0 0 12 0 0 0 13 12 12 12 13 13 13 14 15 15 15 16 16 16 16 16 16 16 16 16 16 16 16 16	OLUENE	12	0	0	12	0	~	0,	0	4	10	0	2	
12 0 0 12 0 0 10 10 10 10 10 10 10 10 10 10 10 10	THYLBENZENE	12	0	0	12	0	-	10	0	m	10	0	0	
12 0 0 12 0 0 10 10 10 10 10 10 10 10 10 10 10 10	-XYLENE	12	0	0	12	0	0	10	0	0	10	0	0	
12 0 0 12 0 0 10 10 10 10 10 10 10 10 10 10 10 10	-XYLENE	12	0	0	12	0	0	10	0	0	10	0	0	
12 0 5 12 0 0 12 10 0 0 10 0 0 10 12 12 12 12 13 14 15 15 15 15 15 15 15 15 15 15 15 15 15	-XYLENE	12	0	0	12	0	0	10	0	0	10	0	0	
12 0 0 12 0 0 10 10 0 10 10 10 10 10 10 10 10 10	LYRENE	12	0	5	12	0	2	10	0	2	10	0	2	
12 0 0 12 0 0 10 10 0 10 10 10 10 10 10 10 10 10	,1 DICHLOROETHYLENE	12	0	0	12	0	0	10	0	0	10	0	0	
12 0 0 12 0 0 10 0 0 10 10 10 10 10 10 10 10 10 1	THYLENE CHLORIDE	12	0	0	12	0	0	10	0	0	10	0	0	
12 0 0 12 12 0 0 10 10 10 10 10 10 10 10 10 10 10 10	1, 201CHLOROETHYLENE	12	0	0	12	0	0	10	0	0	10	0	0	
12 0 3 12 12 0 10 10 10 10 10 11 12 12 0 10 10 10 10 10 10 10 10 10 10 10 10 1	,1 DICHLOROETHANE	12	0	0	12	0	0	10	0	0	10	0	0	
12 0 2 12 0 0 10 0 1 12 0 0 12 0 0 10 0 0 1 12 0 0 12 0 0 10 0	HLORDFORM	12	0	M	12	12	0	10	10	0	10	10	0	
12 0 0 12 0 0 10 10 0 10 10 10 10 10 10 10 10 10	11, TRICHLOROETHANE	12	0	2	12	0	0	10	0	-	10	0	-	
12 0 0 12 0 0 10 0 0 1 1 1 1 1 1 1 1 1 1	,2 DICHLOROETHANE	12	0	0	12	0	0	10	0	0	10	0	0	
12 0 0 12 0 0 10 0 0 1 1 1 1 1 1 1 1 1 1	ARBON TETRACHLORIDE	12	0	0	12	0	0	10	0	0	10	0	0	
12 0 0 12 0 0 10 0 0 1 1	2 DICHLOROPROPANE	12	0	0	12	0	0	10	0	0	10	0	0	
12 0 4 12 12 0 10 10 0 1 12 12 12 12 12 10 10 10 10 10 10 10 12 12 12 12 12 10 10 10 10 10 10 10 10 10 10 10 10 10	11 CHLOROE THYLENE	12	0	0	12	0	0	10	0	0	10	0	0	
ETHANE 12 0 12 0 10 10 0 0 METHANE 12 0 3 12 12 0 10 10 0 ENERAL 12 0 0 12 0 10 10 0 3 ETHANE 12 0 0 12 0 10 0 9 ENZENE 12 0 0 12 0 0 10 0 ENZENE 12 0 0 12 0 0 10 0	I CHLOROBROMOMETHANE	12	0	7	12	12	0	10	10	0	10	20	0	
METHANE 12 0 3 12 12 0 10 10 0 ENE 12 0 0 12 0 2 10 0 3 ETHANE 12 0 0 12 0 10 0 9 ETHANE 12 0 0 12 0 0 10 0 ENZENE 12 0 0 12 0 0 10 0 ENZENE 12 0 0 12 0 0 10 0	12 TRICHLOROETHANE	12	0	0	12	0	0	10	0	0	10	0	0	
ENE 12 0 0 12 0 2 10 0 3 FTHANE 12 0 0 12 0 10 10 0 9 FNZENE 12 0 0 12 0 0 10 0 0 ENZENE 12 0 0 12 0 0 10 0 0	ILOROD I BROMOMETHANE	12	0	m	12	12	0	10	10	0	10	10	0	
12 0 0 12 0 00 9 12 0 10 10 0 9 10 10 10 10 10 10 10 10 10 10 10 10 10	-CHLOROETHYLENE	12	0	0	12	0	2	10	0	m	10	0	-	
ETHANE 12 0 0 12 0 0 10 0 0 10 10 10 10 10 10 10 10 10 1	COMOFORM	12	0	0	12	0	10	10	0	٥	10	0	10	
12 0 0 12 0 0 10 0 0 10 0 0 10 10 10 10 10 10 10	122 T-CHLOROETHANE	12	0	0	12	0	0	10	0	0	10	0	0	
12 0 0 12 0 0 10 0 0 1 12 0 0 12 0 0 10 0 0	ILOROBENZENE	12	0	0	12	0	0	10	0	0	10	0	0	
12 0 0 12 0 0 10 0 0	4 DICHLOROBENZENE	12	0	0	12	0	0	10	0	0	10	0	0	
	1,3 DICHLOROBENZENE	12	0	0	12	0	0	10	0	0	10	0	0	

DRINKING WATER SURVEILLANCE PROGRAM ELGIN

SUPPLARY TABLE OF RESULTS (1989)

		SITE											
			RAW		T.	TREATED		SITE 1	-		SITE 2	~	
SCAN	PARAMETER	TOTAL	TOTAL POSITIVE TRACE	TRACE	TOTAL	POSITIVE	TRACE	TOTAL POSITIVE TRACE TOTAL POSITIVE TRACE TOTAL POSITIVE TRACE TOTAL POSITIVE TRACE	SITIVE	RACE	TOTAL POS	ITIVE	TRACE
VOLATILES 1.2 DICHLO	1.2 DICHLOROBENZENE	12	0	0	12	0	0	10	0	0	10	0	0
	ETHLYENE DIBROMIDE	12	0	0	12	0	0	10	0	0	9	0	0
	TOTL TRINALOMETHANES	12	0	0	12	12	0	10	10	0	0	10	0
TOTAL SCAN VOLATILES		348	0	17	348		17	280	07	22	290	70	16
*TOTAL GROUP ORGANIC		1165	10		1201	26		813	40	82	75	07	20
						* * * * * * * * * * * * * * * * * * *		1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1					
TOTAL		1777	459		132 1826 #	437	169	2000	845	263	1853	714	240

KEY TO TABLE 5 and 6

- A ONTARIO DRINKING WATER OBJECTIVES (ODWO)
 - 1. Maximum Acceptable Concentration (MAC)
 - 1+. MAC for Total Trihalomethanes
 - 1*. MAC for Bacteriological Analyses
 Poor water quality is indicated when :
 - total coliform counts > 0 < 5
 - P/A Bottle Test is present after 48 hours
 - Aeromonas organisms are detected in more than 25% of samples in a single submission or in successive submissions from the same sampling site
 - Pseudomonas Aeruginosa, Staphylococcus Aureus and members of the Fecal Streptococcus group should not be detected in any sample
 - Standard Plate Count should not exceed 500 organisms per ml at 35 °C within 48 hours
 - 2. Interim Maximum Acceptable Concentration (IMAC)
 - 3. Maximum Desirable Concentration (MDC)
 - 4. Aesthetic or Recommended Operational Guideline
 - hardness levels between 80 and 100 mg/L as calcium carbonate are considered to provide an acceptable balance between corrosion and incrustation, water supplies with a hardness >200 mg/L are considered poor and those in excess of 500 mg/L are unacceptable.
- B HEALTH & WELFARE CANADA (H&W)
 - 1. Maximum Acceptable Concentration (MAC)
 - 2. Proposed MAC
 - 3. Interim MAC
 - 4. Aesthetic Objective (AO) (for xylenes, the AO is a total)
- C WORLD HEALTH ORGANIZATION (WHO)
 - 1. Guideline Value (GV)
 - 2. Tentative GV
 - 3. Aesthetic GV
- D US ENVIRONMENTAL PROTECTION AGENCY (EPA)
 - 1. Maximum Contaminant Level (MCL)
 - 2. Suggested No-Adverse Effect Level (SNAEL)
 - 3. Lifetime Health Advisory
 - 4. EPA Ambient Water Quality Criteria
- F EUROPEAN ECONOMIC COMMUNITY (EEC)
 - 1. Health Related Guideline Level
 - 2. Aesthetic Guideline Level
 - 3. Maximum Admissable Concentration (MADC)
- G CALIFORNIA STATE DEPARTMENT OF HEALTH-GUIDELINE VALUE
- H USSR MAXIMUM PERMISSIBLE CONCENTRATION
- I NEW YORK STATE AMBIENT WATER GUIDELINE
- N/A NONE AVAILABLE

INTERPRETATION OF DATA

The interpretation of analytical results that are obtained from measurements near the limit of detection of the measurement process is subject to greater uncertainty than those at higher concentrations. The principle areas of concern relate to whether the substance has actually been detected, whether it has been properly identified, and whether it is an artifact of the measurement process. In other words, false positives can be caused by the instrumentation or the test procedures used, when in fact these compounds are not present in the sample.

There are several methods to treat data from such measurements:

1. Exclude the low-level data because of this uncertainty factor.

Studies of long-term environmental trends and modelling may however, be adversely affected by the exclusion of such data.

2. Qualify these data so the user is aware of the greater uncertainty associated with their use.

For the Drinking Water Surveillance Program, measurements near the limit of detection of the measurement process are reported with the code "<T". Results qualified by "W" indicate a zero measurement. These results are reported for purposes of modelling and long-term trend analysis and no significance should be attributed to a single determination of a substance below "T" (a single determination may well be a false positive). Repeat analysis or additional data are needed before it can be stated with certainty that the substance in question was truly present. On the other hand, it is less likely that repeated detection of a substance at or near the limit of detection at a specific location is solely due to an artifact in the measurement system, and more likely represents a true positive. The average of such data however, is still only an estimate of the amount of substance present subject to the possible biases of the method used.

LABORATORY RESULTS, REMARK DESCRIPTIONS

•	No Sample Taken
BDL	Below Minimum Measurable Amount
<t< td=""><td>Greater Than Detection Limit But Not Confident (SEE INTERPRETATION OF RESULTS ABOVE)</td></t<>	Greater Than Detection Limit But Not Confident (SEE INTERPRETATION OF RESULTS ABOVE)
>	Results Are Greater Than The Upper Limit
<=>	Approximate Result
!cs	No Data: Contamination Suspected
!IL	No Data: Sample Incorrectly Labelled
!IS	No Data: Insufficient Sample
!IV	No Data: Inverted Septum
! LA	No Data: Laboratory Accident
! LD	No Data: Test Queued After Sample Discarded

!NA	No Data: No Authorization To Perform Reanalysis
!NP	No Data: No Procedure
!NR	No Data: Sample Not Received
!OP	No Data: Obscured Plate
! QU	No Data: Quality Control Unacceptable
!RE	No Data: Received Empty
! RO	No Data: See Attached Report (no numeric results)
!SM	No Data: Sample Missing
!ss	No Data: Send Separate Sample Properly Preserved
!UI	No Data: Indeterminant Interference
!TX	No Data: Time Expired
A3C	Approximate, Total Count Exceeded 300 Colonies
APL	Additional Peak, Large, Not Priority Pollutant
APS	Additional Peak, Less Than, Not Priority Pollutant
CIC	Possible Contamination, Improper Cap
CRO	Calculated Result Only
PPS	Test Performed On Preserved Sample
RMP	P and M-Xylene Not Separated
RRV	Rerun Verification
RVU	Reported Value Unusual
SPS	Several Peaks, Small, Not Priority Pollutant
UAL	Unreliable: Sample Age Exceeds Normal Limit
UCR	Unreliable: Could Not Confirm By Reanalysis
ucs	Unreliable: Contamination Suspected
USD	Unreliable: Sample Decomposition Noted
UIN	Unreliable: Indeterminant Interference
XP	Positive After X Number of Hours

T# (T06) Result Taken After # Hours

TABLE 5

DRINKING WATER SURVEILLANCE PROGRAM ST THOMAS (ELGIN WSS) 1989

	RAW	TREATED	SITE 1		SITE 2	
			STANDING	FREE FLOW	STANDING	FREE FLOW
	BACTERIO	DLOGICAL				
ECAL COL	FORM MF (CT/100H	IL)	DET'N L	IMIT = 0	GUIDELINE	= 0 (A1)
JAN	BOL	•	•		•	•
FEB	6 T24	•	•	•	•	•
MAR	BDL	•	•	•	•	
APR	6 <=>	•	•	•	•	
HAY	BDL	•	•	•	•	•
JUN	BOL	•	•	•		•
JUL	BDL	•	•	•	•	•
AUG	BDL	•		•		•
SEP	76	•	•	•		
OCT	4	•	•	•	•	•
NOV	24	•		•	•	•
DEC	12	•	•	•		•
ANDRD PL	ATE CNT MF ()	DET'N LI	IMIT = 0	GUIDELINE	= 500/ML (A1)
JAN		1 <=>		5	<=> .	0 <=
FEB		124 T24		0	<=> .	0 <=
MAR	•	1 <=>		0	<=> .	0 <=
APR	•	69 T48		16	T24 .	22 T2
MAY		0 <=>			<=> .	2 <=
JUN	•	0 <=>		1	<=> .	
JUL	•	0 <=>		0	<=> .	5 <=
AUG		0 <=>		0	<=> .	0 <=
SEP	•	2 <=>		1	<=> .	40
OCT	•	2 <=>		1	<=> .	0 <=
NOV	•	61		1360		900
DEC	•	0 <=>	•	0	<=> .	1 <=
TAL COLI	FORM MF (CT/100M	L)	DET I	MIT = 0	GUIDELINE	= 5/100ML(A1)
JAN	148 A3C	O T24		0	T24 .	0 та
FEB	1580 A3C	0 T24	•		T24 .	0 T2
MAR	BDL	0 T24	•		T24 .	0 T2
APR	220 A3C	0 T48	•		T24 .	0 T2
HAY	7	0	•	0		0
	14	0	•	0	•	J
JUN		•	•	0		0
JUL	BDL	0				
JUL	BDL 60 <=>	•	•	_		n
JUL AUG	60 <=>	0	•	0		0
JUL AUG SEP	60 <=> 130 A3C	0	•	0	•	0
JUL AUG SEP OCT	60 <=> 130 A3C 30 <=>	0 0 0	•	0 0		0
JUL AUG SEP	60 <=> 130 A3C	0	•	0		0
JUL AUG SEP OCT NOV DEC	60 <=> 130 A3C 30 <=> 400 <=>	0 0 0 0	DET'N LI	0 0 0 0	GUIDELINE	0 0 0 0
JUL AUG SEP OCT NOV DEC COLIFORM	60 <=> 130 A3C 30 <=> 400 <=> 360 BCKGRD MF (CT/10	0 0 0 0 0	DET'N LI	0 0 0 0 0		0 0 0 0
JUL AUG SEP OCT NOV DEC	60 <=> 130 A3C 30 <=> 400 <=> 360	0 0 0 0	DET'N LI	0 0 0 0 0 0	GUIDELINE	0 0 0 0

TABLE 5

DRINKING WATER SURVEILLANCE PROGRAM ST THOMAS (ELGIN WSS) 1989

	RAW	TREATED	SITE 1		SITE 2	
			STANDING	FREE FLOW	STANDING	FREE FLOW
						•
APR	16000 A3C	1 T48		1 T24		O T24
HAY	257	0	•	0		0
JUN	282	1		1		
JUL	00000 >	0		0		0
AUG	4200	0		0		0
SEP	7800 A3C	0		0		0
OCT	8800 A3C	0		0	•	0
NOV	74000 A3C	0		0		0
DEC	1180	0		0		0

TABLE 5 DRINKING WATER SURVEILLANCE PROGRAM ST THOMAS (ELGIN WSS) 1989

	RAW	TREATED	SITE 1		SITE 2	
			STANDING	FREE FLOW	STANDING	FREE FLOW
	CHEMIST	TRY (FLD)	~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~			
FLD CHLORIN	,)	DET'N LI	IMIT = N/A	GUIDELINE =	N/A
JAN		.150	.400	.050	.100	.100
FEB		.100	.200	.050	.050	.100
MAR		.150	.300	.050	.050	.050
APR		.050	.200	.050	.150	.050
MAY	•	.050	.400	.100	.050	.100
JUN	•	.150	.400	.100		
JUL	•	.100	.300	.050	.050	.050
AUG		.150	.200	.050	.050	.050
SEP		.050	.200	.050	.050	.050
OCT		.100	.200	.050	.050	.100
NOV		.100	.100	.250	.050	.100
DEC	•	.100	.400	.100	.150	.100
FLD CHLORIN	E FREE ()	DET'N LI	IMIT = N/A	GUIDELINE =	N/A
JAN		.800	.400	.800	.300	.350
FEB		.650	.400	.750	.300	.350
MAR		.600	.400	.750	.300	.350
APR		.800	.500	.800	.200	.350
MAY		.750	.400	.750	.150	.250
JUN		.800	.100	.750		•
JUL	•	.850	.300	.750	.150	.200
AUG		.800	.600	.950	.150	.150
SEP		.950	.500	.800	.150	.150
OCT		.900	.500	.750	.150	.150
NOV		.850	.550	.950	.100	.150
DEC	•	.800	.200	.650	.050	.150
FLD CHLORIN	E (TOTAL) ()	DET'N LI	IMIT = N/A	GUIDELINE =	N/A
JAN		.950	.800	.850	.400	.450
FEB		.750	.600	.800	.350	.450
MAR		.750	.700	.800	.350	.400
APR		.850	.700	.850	.350	.400
MAY		.800	.800	.850	.200	.350
JUN		.950	.500	.850		
JUL		.950	.600	.800	.200	.250
AUG		.950	.800	1.000	.200	.200
SEP		1.000	.700	.850	.200	.200
OCT		1.000	.700	.800	.200	.250
NOV		.950	.650	1.200	.150	.250
DEC		.900	.600	.750	.200	.250
FLD PH (DMN	SLESS)		DET'N LI	MIT = N/A	GUIDELINE =	6.5-8.5(A4)
JAN	7.600	7.450	7.300	7.300	.7.500	7.450
FEB	7.800	7.350	7.500	7.300	7.500	7.450
MAR	8.000	7.450	7.400	7.300	7.400	7.500
			7.400	7.300	7.400	7.500

TABLE 5 DRINKING WATER SURVEILLANCE PROGRAM ST THOMAS (ELGIN WSS) 1989

	RAW	TREATED	SITE 1		SITE 2	
			STANDING	FREE FLOW	STANDING	FREE FLOW
APR	8.400	7.350	7.400	7.350	7.450	7.450
HAY	8.000	7.450	7.500	7.250	7.550	7.500
JUN	7.800	7.300	7.400	7.300		
JUL	7.800	7.300	7.500	7.300	7.500	7.350
AUG	7.500	7.300	7.300	7.250	7.550	7.450
SEP	8.000	7.500	7.500	7.450	7.500	7.500
OCT	7.800	7.450	7.700	7.450	7.350	7.450
NOV	8.000	7.400	7.500	7.300	7.300	7.500
DEC	7.600	7.450	7.500	7.450	7.550	7.500
FLD TEMPE	ERATURE (OEG.C)	DET'N LI	MIT = N/A	GUIDELINE =	15 (A1)
JAN	2.000	1.000	11.500	4.500	17.500	7.000
FEB	2.000	1.000	9.500	4.500	20.000	4.500
MAR	5.000	1.500	10.000	2.500	20.000	5.500
APR	5.000	4.000	10.500	4.500	18.000	6.500
HAY	8.000	8.000	17.500	7.500	21.000	8.500
JUN	10.000	9.000	14.500	11,500	211.000	0.500
JUL	13.000	14.000	17.000	16.000	24.000	16.000
AUG	15.000	17.000	17.500	18.500	21.000	19.500
SEP	17.000	21.500	18.500	19.500	24.000	20.000
OCT	15.D00	14.500	17.500	15.000	18.500	16.000
NOV	12.000	11.000	16.500	12.000	22.000	14.500
DEC	30.000	4.000	13.000	6.000	19.500	9.500
FLD TURBI	DITY (FTU)	DET'N LI	MIT = N/A	GUIDELINE =	1.0 (A1)
JAN	58.000	.070	.130	.130	.120	.110
FEB	46.000	.100	.120	.110	.080	.130
MAR	5.000	.120	.100	.090	.130	.150
APR	132.000	.230	.110	.130	.130	.080
HAY	16.000	.100	. 090	.080	.100	.100
JUN	5.000	.110	.160	.130		
JUL	40.100	.120	.120	.120	.110	.110
AUG	7.000	.090	.150	.100	.120	.090
SEP	116.000	.100	.140	.110	.090	.110
OCT	20.000	.090	.120	.090	.080	.100
NOV	15.600	.110	.180	.130	.100	.110
DEC	135.000	.110	.140	. 190	.090	.200

TABLE 5 DRINKING WATER SURVEILLANCE PROGRAM ST THOMAS (ELGIN WSS) 1989

	RAW	TREATED	SITE 1		SITE 2	
			STANDING	FREE FLOW	STANDING	FREE FLOW
***	, CHEMIST	RY (LAB)				
ALKALINI1	TY (MG/L)		DET'N LI	MIT = .200	GUIDELINE =	30-500 (A4)
JAN	94.000	86.400	87.900	87.600	90.200	89.800
FEB	102.200	93.700	92.900	93.700	93.100	93.300
MAR	101.900	95.300	96.100	95.100	96.400	96.000
APR	106.000	95.100	96.300	95.300	93.500	93.600
MAY	100.800	94.300	93.600	94.000	96.100	94.700
JUN	98.300	90.000	91.400	91.600	•	
JUL	103.500	95.200	93.900	94.500	96.400	95.400
AUG	106.900	98.500	100.000	100.100	96.200	96.600
SEP	98.800	90.300	91.900	92.200	90.600	90.900
OCT	98.200	90.400	91.700	92.300	90.700	93.000
NOV	100.900	91.900	92.600	92,600	91.300	90.700
DEC	97.900	90.100	91.600	92.200	91.100	91.000
ALCIUM (MG/L)		DET'N LI	MIT = .100	GUIDELINE =	100 (F2)
JAN	35.000	35.000	32.400	34.200	35.400	33.800
FEB	35.600	36.600	36.600	36.000	36.000	35.600
MAR	37.200	37.400	37.000	37.400	37.800	37.600
APR	41.200	41.000	40.000	40.200	39.800	39.800
HAY	37.400	36.600				
JUN	34.600	35.200	37.800	40.600	40.000	40.200
JUL	40.400	39.800	35.800	36.600	· /0.300	
AUG	38.200	37.800	39.200	38.600	40.200	40.400
SEP	34.800	36.800	37.400	38.400	37.600	38.000
OCT	35.400		39.800	39.200	36.000	35.400
NOV	35.400	35.800	35.800	35.400	36.800	37.400
DEC	36.000	36.200 40.900	37.000 40.800	36.400 40.400	34.800 40.200	35.200 40.000
YANIDE (MG/L)		DET'N LI	MIT = 0.001	GUIDELINE =	.200 (A1)
JAN	BDL	BDL	•	BDL	•	BOL
FEB	BDL	BDL		BOL	•	BOL
MAR	.003 <t< td=""><td>BDL</td><td>•</td><td>BDL</td><td>•</td><td>BOL</td></t<>	BDL	•	BDL	•	BOL
APR	BOL	BDL	•	BDL	•	BOL
MAY	BDL	BDL	•	BDL	•	BDL
JUN	BDL	BDL		BDL	•	•
JUL	BOL	BDL	•	BOL		BOL
AUG	BOL	BDL	•	BDL		BOL
SEP	BDL	BOL	•	BDL		BDL
OCT	BDL	BOL		BDL		BOL
NOV	BDL	BOL		BDL		BDL
DEC	BDL	BDL	•	BDL		BOL
HLORIDE	(MG/L)		DET'N LI	MIT = .200	GUIDELINE =	250 (A3)
		40.000				
JAN	11.100	12,300	12.100	12 100	12 700	12 500
JAN FEB	11.100 13.700	12.300 14.600	12.100 14.800	12.100 14.700	12.700 14.600	12.500 14.500

TABLE 5 DRINKING WATER SURVEILLANCE PROGRAM ST THOMAS (ELGIN WSS) 1989

	RAW	TREATED	SITE 1		SITE 2	
			STANDING	FREE FLOW	STANDING	FREE FLOW
APR	14.500	15.300	14.900	14.900	14.900	14.800
MAY	13.600	15.000	15.200	14.900	15.200	15.000
JUN	13.700	15.200	15.300	15.300		
JUL	13.600	15.200	15.100	15.100	15.600	15.500
AUG	13.700	15.400	15.500	15.300	15.600	15.500
SEP	14.100	15.200	15.300	15.200	15.600	15.600
ост	13.700	15.100	15.100	15.100	15.200	15.100
NOV	14.100	15.100	14.700	14.700	14.900	14.800
DEC	12.800	13.300	14.000	14.100	13.700	13.600
COLOUR (H)	ZU)	***************************************	DET'N LI	MIT = .5	GUIDELINE =	5.0 (A3)
JAN	1.000 <t< td=""><td>.500 <7</td><td>.500 <</td><td>1.000 <t< td=""><td>1.000 <t< td=""><td>1.000 <t< td=""></t<></td></t<></td></t<></td></t<>	.500 <7	.500 <	1.000 <t< td=""><td>1.000 <t< td=""><td>1.000 <t< td=""></t<></td></t<></td></t<>	1.000 <t< td=""><td>1.000 <t< td=""></t<></td></t<>	1.000 <t< td=""></t<>
FEB	BDL	.500 <7	BDL	BOL	.500 <t< td=""><td>BOL</td></t<>	BOL
MAR	2.500	1.500 <t< td=""><td>1.000 <t< td=""><td>1.000 <t< td=""><td>1.500 <t< td=""><td>1.000 <7</td></t<></td></t<></td></t<></td></t<>	1.000 <t< td=""><td>1.000 <t< td=""><td>1.500 <t< td=""><td>1.000 <7</td></t<></td></t<></td></t<>	1.000 <t< td=""><td>1.500 <t< td=""><td>1.000 <7</td></t<></td></t<>	1.500 <t< td=""><td>1.000 <7</td></t<>	1.000 <7
APR	BOL	.500 <t< td=""><td>.500 <1</td><td>.500 <t< td=""><td>.500 <t< td=""><td>.500 <t< td=""></t<></td></t<></td></t<></td></t<>	.500 <1	.500 <t< td=""><td>.500 <t< td=""><td>.500 <t< td=""></t<></td></t<></td></t<>	.500 <t< td=""><td>.500 <t< td=""></t<></td></t<>	.500 <t< td=""></t<>
MAY	1.500 <t< td=""><td>.500 <t< td=""><td>.500 <t< td=""><td>1.000 <t< td=""><td>1.000 <t< td=""><td>1.000 <t< td=""></t<></td></t<></td></t<></td></t<></td></t<></td></t<>	.500 <t< td=""><td>.500 <t< td=""><td>1.000 <t< td=""><td>1.000 <t< td=""><td>1.000 <t< td=""></t<></td></t<></td></t<></td></t<></td></t<>	.500 <t< td=""><td>1.000 <t< td=""><td>1.000 <t< td=""><td>1.000 <t< td=""></t<></td></t<></td></t<></td></t<>	1.000 <t< td=""><td>1.000 <t< td=""><td>1.000 <t< td=""></t<></td></t<></td></t<>	1.000 <t< td=""><td>1.000 <t< td=""></t<></td></t<>	1.000 <t< td=""></t<>
JUN	2.000 <t< td=""><td>1.000 <t< td=""><td>1.000 <t< td=""><td>1.000 <t< td=""><td></td><td>•</td></t<></td></t<></td></t<></td></t<>	1.000 <t< td=""><td>1.000 <t< td=""><td>1.000 <t< td=""><td></td><td>•</td></t<></td></t<></td></t<>	1.000 <t< td=""><td>1.000 <t< td=""><td></td><td>•</td></t<></td></t<>	1.000 <t< td=""><td></td><td>•</td></t<>		•
JUL	.500 <t< td=""><td>.500 <7</td><td>1.000 <t< td=""><td>1.000 <t< td=""><td>1.500 <t< td=""><td>1.500 <t< td=""></t<></td></t<></td></t<></td></t<></td></t<>	.500 <7	1.000 <t< td=""><td>1.000 <t< td=""><td>1.500 <t< td=""><td>1.500 <t< td=""></t<></td></t<></td></t<></td></t<>	1.000 <t< td=""><td>1.500 <t< td=""><td>1.500 <t< td=""></t<></td></t<></td></t<>	1.500 <t< td=""><td>1.500 <t< td=""></t<></td></t<>	1.500 <t< td=""></t<>
AUG	2.000 <t< td=""><td>.500 <t< td=""><td>1.000 <t< td=""><td>.500 <t< td=""><td>.500 <t< td=""><td>.500 <t< td=""></t<></td></t<></td></t<></td></t<></td></t<></td></t<>	.500 <t< td=""><td>1.000 <t< td=""><td>.500 <t< td=""><td>.500 <t< td=""><td>.500 <t< td=""></t<></td></t<></td></t<></td></t<></td></t<>	1.000 <t< td=""><td>.500 <t< td=""><td>.500 <t< td=""><td>.500 <t< td=""></t<></td></t<></td></t<></td></t<>	.500 <t< td=""><td>.500 <t< td=""><td>.500 <t< td=""></t<></td></t<></td></t<>	.500 <t< td=""><td>.500 <t< td=""></t<></td></t<>	.500 <t< td=""></t<>
SEP	BDL	.500 <t< td=""><td>.500 <t< td=""><td>.500 <t< td=""><td>1.000 <7</td><td>.500 <t< td=""></t<></td></t<></td></t<></td></t<>	.500 <t< td=""><td>.500 <t< td=""><td>1.000 <7</td><td>.500 <t< td=""></t<></td></t<></td></t<>	.500 <t< td=""><td>1.000 <7</td><td>.500 <t< td=""></t<></td></t<>	1.000 <7	.500 <t< td=""></t<>
OCT	2.000 <t< td=""><td>.500 <t< td=""><td>.500 <t< td=""><td>.500 <t< td=""><td>1.000 <t< td=""><td>1.000 <t< td=""></t<></td></t<></td></t<></td></t<></td></t<></td></t<>	.500 <t< td=""><td>.500 <t< td=""><td>.500 <t< td=""><td>1.000 <t< td=""><td>1.000 <t< td=""></t<></td></t<></td></t<></td></t<></td></t<>	.500 <t< td=""><td>.500 <t< td=""><td>1.000 <t< td=""><td>1.000 <t< td=""></t<></td></t<></td></t<></td></t<>	.500 <t< td=""><td>1.000 <t< td=""><td>1.000 <t< td=""></t<></td></t<></td></t<>	1.000 <t< td=""><td>1.000 <t< td=""></t<></td></t<>	1.000 <t< td=""></t<>
NOV	.500	.500 <t< td=""><td>.500 <t< td=""><td>.500 <t< td=""><td>.500 <t< td=""><td>.500 <t< td=""></t<></td></t<></td></t<></td></t<></td></t<>	.500 <t< td=""><td>.500 <t< td=""><td>.500 <t< td=""><td>.500 <t< td=""></t<></td></t<></td></t<></td></t<>	.500 <t< td=""><td>.500 <t< td=""><td>.500 <t< td=""></t<></td></t<></td></t<>	.500 <t< td=""><td>.500 <t< td=""></t<></td></t<>	.500 <t< td=""></t<>
DEC	2.000 <t< td=""><td>BOL</td><td>BDL</td><td>BOL</td><td>BDL</td><td>BDL</td></t<>	BOL	BDL	BOL	BDL	BDL
CONDUCTIVI	ITY (UMHO/CH)		DET'N LI	MIT = 1	GUIDELINE =	400 (F2)
JAN	255	270	265	266	278	276
FEB	279	290	291	291	287	287
MAR	288	293	295	293	298	296
APR	294	309	308	307	300	300
HAY	294	300	294	294	294	295
JUN	280	286	287	288		
JUL	290	296	295	295	298	299
AUG	293	298	299	298	294	294
SEP	274	286	296	294	283	285
OCT	280	288	289	288	289	294
NOV	274	291	294	294	285	284
DEC	265	284	288	290	285	285
FLUORIDE (MG/L)		DET'N LI	MIT = .01	GUIDELINE =	2.400 (A1)
MAL	. 140	1.160	.820	1.020	1.160	1.120
FEB	.100	1.280	1.240	.860 RRV	1,160	1.160
MAR	. 180	1.280	1.260	1.220	1.240	1.180
APR	. 140	1.300	1.160	1.340	1.220	1.180
HAY	.100	1.240	1.180	1.220	1.280	1.220
JUN	.120	1.520	1.180	1.220		
JUL	.160	1.140	1.880	1.640	1.320	1.280
AUG	.120	1.240	1.020	.940	1.200	1.220

DRINKING WATER SURVEILLANCE PROGRAM ST THOMAS (ELGIN WSS) 1989

WATER TREATMENT PLANT

DISTRIBUTION SYSTEM

	RAW	TREATED	SITE 1		SITE 2	
			STANDING	FREE FLOW	STANDING	FREE FLOW

SEP	.180	1.460	1.140	1.840	1.440	1.440
OCT	.120	1.600	1.300	.880	1.360	1.380
NOV	.120	1.220	1.100	1.180	1.280	1.200
DEC	.120	.120	.080	.120	.320	.280
HARDNESS	(MG/L)		DET'N LI	MIT = .500	GUIDELINE =	80-100 (A4)
JAN	120.000	120.000	114.000	120.000	123.000	119.000
FEB	124.000	127.000	128.000	125.000	126.000	125.000
MAR	128.000	129.000	128.000	128.000	129.000	129.000
APR	139.000	138.000	136.000	136.000	135.000	135.000
HAY	131.000	128.000	131.000	138.000	136.000	136.000
JUN	122.000	124.000	125.000	128.000	•	
JUL	137.000	136.000	133.000	132.000	136.000	138.000
AUG	130.000	129.000	126.000	131.000	127.000	129.000
SEP	121.000	126.000	135.000	133.000	124.000	123.000
OCT	124.000	124.000	124.000	124.000	128.000	128.000
NOV	124.000	126.000	128.000	126.000	122.000	123.000
DEC	124.000	136.500	138.000	137.000	136.000	135.000
IONCAL (OMNSLESS)		DET'N LI	MIT = N/A	GUIDELINE =	N/A
JAN	4.562	4.820	.537	3.858	2.982	1.058
FEB	1.024	1.154	2.455	.552	1.564	.159
MAR	.175	1.954	.999	1.917	1.445	1.205
APR	5.986	6.806	5.126	7.004	7.281	7.776
MAY	3.019	2.923	5.019	8.580	6.638	9.504
JUN	1.823	1.720	2.353	5.182		
JUL	5.903	6.337	7.165	5.690	5.504	7.652
AUG	1.670	.302	4.110	.783	.990	.364
SEP	3.416	1.243	3.557	2.748	.300	.058
OCT	.431	2.547	.591	.130	3.208	2.360
NOV	2.368	.718	.423	2.157	1.578	.934
DEC	.739	8.115	5.734	4.409	5.198	4.979
LANGELIER	S INDEX (DMNSLE	SS)	DET'N LI	MIT = N/A	GUIDELINE =	N/A
JAN	.306	.113	.139	.261	.334	.293
FEB	.400	.130	.096	.083	.101	.137
MAR	.384	.246	.114	.155	.223	. 180
APR	.493	.429	.474	.392	.372	.392
HAY	.500	.429	.432	.515	.538	.503
JUN	.390	.287	.201	.271		
JUL	.166	.051	.169	.155	.170	.147
AUG	.535	.503	.494	.516	.472	.468
SEP	.397	.348	.346	.311	.291	.254
OCT	.470	.346	.351	.370	.299	.405
NOV	.384	.276	.298	.401	.289	.371
DEC	.412	.374	.458	.456	.491	.368
			. 4,70	.470	. 471	

DRINKING WATER SURVEILLANCE PROGRAM ST THOMAS (ELGIN WSS) 1989

	RAW	TREATED	SITE 1		SITE 2	
			STANDING	FREE FLOW	STANDING	FREE FLOW
AGNESIUM (MG/L)		DET'N LI	MIT = .050	GUIDELINE =	30 (F2)
JAN	8.000	8.000	8.100	8.300	8.400	8.400
FEB	8.700	8.600	8.800	8.600	8.700	8.800
MAR	8.600	8.600	8.500	8.400	8.500	8.500
APR	8.800	8.700	8.800	8.700	8.500	8.700
MAY	9.000	8.800	9.000	9.000	8.700	8.800
JUN	8.600	8.700	8.600	8.900		
JUL	8.900	8.800	8.600	8.700	8.700	8.900
AUG	8.300	8.300	8.000	8.500	8.100	8.100
SEP	8.300	8.200	8.600	8.500	8.300	8.600
OCT	8.500	8.500	8.400	8.600	8.600	8.400
NOV	8.600	8.600	8.600	8.600	8.500	8.500
DEC	8.390	8.300	8.700	8.700	8.500	8.600
SODIUM (MG/	L)		DET'N LI	MIT = .200	GUIDELINE =	200 (C3)
HAL	6.400	7.200	6.400	6.600	7.200	7.200
FEB	7.600	7.800	8.200	7.800	7.800	7.800
MAR	8.000	8.200	8.200	8.600	8.600	8.400
APR	8.800	9.200	8.800	9.200	8.800	8.800
MAY	7.800	8.200	8.200	8.400	8.200	8.600
JUN	7.800	8.200	8.600	9.000		•
JUL	8.000	8.600	8.800	8.600	8.400	8.600
AUG	8.000	8.400	7.800	7.800	8.000	8.000
SEP	8.000	8.400	8.000	8.000	8.000	8.200
OCT	8.000	8.600	8.200	8.000	8.400	8.400
NOV	7.800	8.000	8.200	8.200	8.400	8.100
DEC	7.400	7.600	7.000	7.000	7.000	6.800
MMONIUM TO	TAL (MG/L)	DET'N LI	MIT = 0.002	GUIDELINE =	.05 (F2)
JAN	.004 <t< td=""><td>.006 <t< td=""><td>.010</td><td>.008</td><td><7 .006 <7</td><td>.008 <</td></t<></td></t<>	.006 <t< td=""><td>.010</td><td>.008</td><td><7 .006 <7</td><td>.008 <</td></t<>	.010	.008	<7 .006 <7	.008 <
FEB	.008 <t< td=""><td>.010</td><td>.010</td><td>.010</td><td>.008 <7</td><td>.008 <</td></t<>	.010	.010	.010	.008 <7	.008 <
MAR	.004 <t< td=""><td>BDL</td><td>.002 <7</td><td>BDL</td><td>.010</td><td>BDL</td></t<>	BDL	.002 <7	BDL	.010	BDL
APR	BDL	.004 <t< td=""><td>.006 <7</td><td>.006</td><td><t .002="" <t<="" td=""><td>.004 <</td></t></td></t<>	.006 <7	.006	<t .002="" <t<="" td=""><td>.004 <</td></t>	.004 <
HAY	.002 <7	.002 <7	.004 <t< td=""><td>.006</td><td><t bdl<="" td=""><td>BDL</td></t></td></t<>	.006	<t bdl<="" td=""><td>BDL</td></t>	BDL
JUN	.020	.002 <t< td=""><td>BDL</td><td>BOL</td><td>•</td><td>•</td></t<>	BDL	BOL	•	•
JUL	.002 <t< td=""><td>.008 <t< td=""><td>.008 <t< td=""><td>.006</td><td></td><td></td></t<></td></t<></td></t<>	.008 <t< td=""><td>.008 <t< td=""><td>.006</td><td></td><td></td></t<></td></t<>	.008 <t< td=""><td>.006</td><td></td><td></td></t<>	.006		
AUG	.004 <t< td=""><td>.002 <7</td><td>BDL</td><td>BDL</td><td>.002 <t< td=""><td>.002 <</td></t<></td></t<>	.002 <7	BDL	BDL	.002 <t< td=""><td>.002 <</td></t<>	.002 <
SEP	BDL	BDL	.002 <t< td=""><td>.002</td><td><t bdl<="" td=""><td>.002 <</td></t></td></t<>	.002	<t bdl<="" td=""><td>.002 <</td></t>	.002 <
OCT	BDL	BDL	.002 <t< td=""><td>BOL</td><td>BDL</td><td>.004 <</td></t<>	BOL	BDL	.004 <
NOV	BDL	BDL	.002 <t< td=""><td>BDL</td><td>BDL</td><td>.004 <</td></t<>	BDL	BDL	.004 <
DEC	BDL	BDL	BDL	BDL	BDL	BOL
ITRITE (MG/	'L >		DET'N LI	MIT = 0.001	GUIDELINE =	1.000 (A1)
JAN	.005	.002 <t< td=""><td>.004 <t< td=""><td>.002</td><td><1 .002 <1</td><td>.002 <</td></t<></td></t<>	.004 <t< td=""><td>.002</td><td><1 .002 <1</td><td>.002 <</td></t<>	.002	<1 .002 <1	.002 <
FEB	.008	.001 <t< td=""><td>.002 <t< td=""><td></td><td></td><td></td></t<></td></t<>	.002 <t< td=""><td></td><td></td><td></td></t<>			
HAR	.003 <t< td=""><td>BDL</td><td>BDL</td><td></td><td></td><td></td></t<>	BDL	BDL			
					1001 1	DA F

TABLE 5 DRINKING WATER SURVEILLANCE PROGRAM ST THOMAS (ELGIN WSS) 1989

	RAW	TREATED	SITE 1		SITE 2	
			STANDING	FREE FLOW	STANDING	FREE FLOW
	,					
MAY	.003 <t< th=""><th>BDL</th><th>.003 <t< th=""><th>.003 <t< th=""><th>.003 <t< th=""><th>.003 <t< th=""></t<></th></t<></th></t<></th></t<></th></t<>	BDL	.003 <t< th=""><th>.003 <t< th=""><th>.003 <t< th=""><th>.003 <t< th=""></t<></th></t<></th></t<></th></t<>	.003 <t< th=""><th>.003 <t< th=""><th>.003 <t< th=""></t<></th></t<></th></t<>	.003 <t< th=""><th>.003 <t< th=""></t<></th></t<>	.003 <t< th=""></t<>
JUN	.007	.001 <t< th=""><th>.002 <7</th><th>.002 <t< th=""><th>•</th><th>•</th></t<></th></t<>	.002 <7	.002 <t< th=""><th>•</th><th>•</th></t<>	•	•
JUL	.002 <t< td=""><td>.001 <t< td=""><td>.001 <t< td=""><td>.001 <t< td=""><td>.001 <t< td=""><td>BDL</td></t<></td></t<></td></t<></td></t<></td></t<>	.001 <t< td=""><td>.001 <t< td=""><td>.001 <t< td=""><td>.001 <t< td=""><td>BDL</td></t<></td></t<></td></t<></td></t<>	.001 <t< td=""><td>.001 <t< td=""><td>.001 <t< td=""><td>BDL</td></t<></td></t<></td></t<>	.001 <t< td=""><td>.001 <t< td=""><td>BDL</td></t<></td></t<>	.001 <t< td=""><td>BDL</td></t<>	BDL
AUG	.008	BDL	BDL	BDL	BDL	BDL
SEP	.015	.003 <t< th=""><th>.002 <t< th=""><th></th><th>.003 <t< th=""><th>.003 <7</th></t<></th></t<></th></t<>	.002 <t< th=""><th></th><th>.003 <t< th=""><th>.003 <7</th></t<></th></t<>		.003 <t< th=""><th>.003 <7</th></t<>	.003 <7
OCT	.001 <t< th=""><th>.001 <t< th=""><th>.001 <t< th=""><th>BDL</th><th>BOL</th><th>BDL</th></t<></th></t<></th></t<>	.001 <t< th=""><th>.001 <t< th=""><th>BDL</th><th>BOL</th><th>BDL</th></t<></th></t<>	.001 <t< th=""><th>BDL</th><th>BOL</th><th>BDL</th></t<>	BDL	BOL	BDL
NOV	.002 <t< td=""><td>BDL</td><td>.001 <t< td=""><td>.001 <7</td><td>.001 <t< td=""><td>.001 <7</td></t<></td></t<></td></t<>	BDL	.001 <t< td=""><td>.001 <7</td><td>.001 <t< td=""><td>.001 <7</td></t<></td></t<>	.001 <7	.001 <t< td=""><td>.001 <7</td></t<>	.001 <7
DEC	.022	.003 <t< td=""><td>.001 <t< td=""><td>.001 <t< td=""><td>.001 <t< td=""><td>BOL</td></t<></td></t<></td></t<></td></t<>	.001 <t< td=""><td>.001 <t< td=""><td>.001 <t< td=""><td>BOL</td></t<></td></t<></td></t<>	.001 <t< td=""><td>.001 <t< td=""><td>BOL</td></t<></td></t<>	.001 <t< td=""><td>BOL</td></t<>	BOL
TOTAL NIT	RATES (MG/L	>	DET'N LI	MIT = .020	GUIDELINE = 10	.000 (A1)
JAN	.190	.210	.200	.200	.195	.210
FEB	.270	.255	.230	.220	. 195	.200
MAR	. 195	.200	. 190	. 185	.215	.210
APR	.545	.450	.380	.365	. 285	.295
MAY	.325	.310	.340	.310	.285	.290
JUN	. 260	.245	. 195	.170		•
JUL	.370	.255	.250	.245	.255	.255
AUG	.220	.210	.210	.205	. 185	.190
SEP	. 185	. 185	.190	.190	. 180	.185
OCT	.200	. 185	.185	. 180	.185	. 190
NOV	. 140	. 125	. 135	.160	.120	.125
DEC	.215	.210	.205	.200	. 195	.200
NITROGEN 1	TOT KJELD (MG/L	.)	DET'N LI	MIT = .020	GUIDELINE = N/	'A
JAN	.425	.120	.140	.140	.130	.140
FEB	.425	.140	. 150	.150	.140	.110
MAR	.260	. 190	. 180	.170	.210	.190
APR	.510	.180	.210	.170	.170	.170
MAY	.420	.200	.160	.150	.160	. 150
JUN	.280	.150	.180	.190	•	•
JUL	.600	.210	. 230	.250	.300	.170
AUG	. 270	.160	.170	.160	. 160	. 150
SEP	.540	. 160	. 160	.150	.160	.150
OCT	.270	.210	.170	.210	.180	.170
NOV	.450	. 140	. 160	.190	.170	. 150
DEC	.320	.210	.190	.200	.210	. 180
PH (DMNSLE	ess)		DET'N LI	MIT = N/A	GUIDELINE = 6.	5-8.5(A4)
JAN	8.210	8.060	8.110	8.210	8.260	8.240
FEB	8.270	8.030	8.000	7.990	8.010	8.050
MAR	8.240	8.130	8.000	8.040	8.100	8.060
APR	8.290	8.280	8.330	8.250	8.240	8.260
MAY	8.360	8.330	8.320	8.370	8.390	8.360
JUN	8.290	8.220	8.120	8.180		•
JUL	7.980	7.910	8.040	8.030	8.020	8.000
AUG	8.360	8.370	8.360	8.370	8.350	8.340
SEP	8.290	8.260	8.220	8.190	8.210	8.180

TABLE 5

DISTRIBUTION SYSTEM

RAW TREATED SITE 1 SITE 2

WATER TREATMENT PLANT

	RAW	TREATED	\$11E 1		311E Z	
			STANDING	FREE FLOW	STANDING	FREE FLOW
	0.740	0.070		0.200	0.240	\$ 700
OCT	8.360	8.270	8.270	8.290	8.210	8.300
NOV	8.260	8.190	8.200	8.310	8.220	8.300
DEC	8.290	8.240	8.320	8.320	8.360	8.240
HOSPHORU	S FIL REACT (MG/	L)	DET'N LIP	41T = .0005	GUIDELINE =	N/A
JAN	.005	BDL	•		•	•
FEB	.009	BDL			•	
MAR	.001 <t< td=""><td>BDL</td><td></td><td></td><td>•</td><td></td></t<>	BDL			•	
APR	.028	.001 <t< td=""><td></td><td></td><td>•</td><td></td></t<>			•	
MAY	.003	BDL				
JUN	.001 <7	.000 <t< td=""><td></td><td></td><td></td><td></td></t<>				
JUL	.005	.001 <t< td=""><td></td><td></td><td></td><td></td></t<>				
AUG	.004	BOL				
SEP	.029	.002 <t< td=""><td></td><td></td><td></td><td></td></t<>				
OCT	.002 <t< td=""><td>BDL</td><td></td><td></td><td></td><td></td></t<>	BDL				
NOV	BDL	BDL				
DEC	.044	.001 <t< td=""><td>•</td><td>•</td><td></td><td></td></t<>	•	•		
PHOSPHORUS TOTAL (MG/L)		DET'N LIM	IIT = .002	GUIDELINE =	.40 (F2)	
JAN	.100	.002 <t< td=""><td>•</td><td>•</td><td>•</td><td>•</td></t<>	•	•	•	•
FEB	. 128	.003 <t< td=""><td>•</td><td>•</td><td>•</td><td>•</td></t<>	•	•	•	•
MAR	.022	.004 <t< td=""><td>•</td><td>•</td><td>•</td><td>•</td></t<>	•	•	•	•
APR	.205	.004 <t< td=""><td>•</td><td>•</td><td>•</td><td>•</td></t<>	•	•	•	•
MAY	.068	.006 <t< td=""><td>•</td><td>•</td><td>•</td><td></td></t<>	•	•	•	
JUN	.017	.013	•	•	•	
JUL	.188	.004 <t< td=""><td>•</td><td>•</td><td>•</td><td>•</td></t<>	•	•	•	•
AUG	.021	.003 <t< td=""><td>•</td><td>•</td><td>•</td><td></td></t<>	•	•	•	
SEP	.240	.003 <t< td=""><td></td><td></td><td>•</td><td></td></t<>			•	
OCT	.033	.003 <t< td=""><td></td><td>•</td><td>•</td><td></td></t<>		•	•	
NOV	. 170	.003 <t< td=""><td></td><td></td><td>•</td><td></td></t<>			•	
DEC	.117	BOL	•	•	•	4
JLPHATE ((MG/L)		DET'N LIM	IIT = .200	GUIDELINE = 500. (A3)	
JAN	17.280	24.200	22.230	22.580	24.720	24.000
FEB	19.340	25.830	26.270	26.710	25.030	26.280
MAR	22.790	25.930	25.320	26.280	26.120	26.210
APR	19.990	28.570	27.770	27.170	26.390	26.500
HAY	20.970	23.680	24.770			
JUN	21.820	25.700	25.410	26.980 25.420	24.290	23.840
JUL	21.360	26.460	25.080	25.420	25.980	25 8/0
AUG	21.420	25.150	25.400			25.840
SEP	22.810			25.420	26.020	25.850
		28.480	31.420	30.600	26.610	26.810
OCT	22.130	26.010	26.150	25.970	27.040	26.700
NOV	21.820 21.780	29.290	31.070	31.910	28.370	28.530
DEC	61.700	30.400	31.150	31.300	30.650	30.700
URBIDITY	(FTU)		DET'N LIH	IIT = .02	GUIDELINE =	1.00 (A1)

TABLE 5

DRINKING WATER SURVEILLANCE PROGRAM ST THOMAS (ELGIN WSS) 1989

WATER TREATMENT PLANT

DISTRIBUTION SYSTEM

	RAW	TREATED	SITE 1	SITE 2				
			STANDING	FREE FLOW	STANDING	FREE FLOW		
	,							
JAN	78.000	.320	.350	.430	.420	.370		
FEB	94.000	.270	.230 <7	.150 <t< td=""><td>.340</td><td>.230 <t< td=""></t<></td></t<>	.340	.230 <t< td=""></t<>		
MAR	5.500	.350	.250	.300	.300	.300		
APR	200.000 >	.370	.340	.350	.490	.520		
MAY	26.000	.780	.520	.370	.400	.590		
JUN	1.900	.220	.270	.370	•	•		
JUL	108.000	.290	.200 <t< td=""><td>.190 <t< td=""><td>.210 <t< td=""><td>.240 <7</td></t<></td></t<></td></t<>	.190 <t< td=""><td>.210 <t< td=""><td>.240 <7</td></t<></td></t<>	.210 <t< td=""><td>.240 <7</td></t<>	.240 <7		
AUG	8.100	.570	.550	.910	.920	.530		
SEP	200.000 >	.450	.110 <t< td=""><td>.090 <t< td=""><td>.13D <t< td=""><td>.110 <t< td=""></t<></td></t<></td></t<></td></t<>	.090 <t< td=""><td>.13D <t< td=""><td>.110 <t< td=""></t<></td></t<></td></t<>	.13D <t< td=""><td>.110 <t< td=""></t<></td></t<>	.110 <t< td=""></t<>		
OCT	22.000	.510	.450	.670	.470	.360		
NOV	160.000	.400	.360	.510	.270	.370		
DEC	200,000	.440	.470	.630	.680	.330		

TABLE 5 DRINKING WATER SURVEILLANCE PROGRAM ST THOMAS (ELGIN WSS) 1989

RAW TREATED SITE 1 SITE 2

	NAW.	NAW INCATED		311E 2			
			STANDING	FREE FLOW	STANDING	FREE FLOW	
	METALS	************					
SILVER ((UG/L)			DET'N LIMIT = .020	GUIDELINE = 5	50. (A1)	
JAN	BOL	BOL	BDL	.030 <7	.030 <t< td=""><td>BDL</td></t<>	BDL	
FEB	BDL	BOL	BDL	BDL	BDL	BDL	
MAR	.120 <t< td=""><td>.070 <t< td=""><td>.040 <t< td=""><td>.050 <t< td=""><td>.050 <t< td=""><td>.080 <1</td></t<></td></t<></td></t<></td></t<></td></t<>	.070 <t< td=""><td>.040 <t< td=""><td>.050 <t< td=""><td>.050 <t< td=""><td>.080 <1</td></t<></td></t<></td></t<></td></t<>	.040 <t< td=""><td>.050 <t< td=""><td>.050 <t< td=""><td>.080 <1</td></t<></td></t<></td></t<>	.050 <t< td=""><td>.050 <t< td=""><td>.080 <1</td></t<></td></t<>	.050 <t< td=""><td>.080 <1</td></t<>	.080 <1	
APR	.090 <t< td=""><td>.080 <t< td=""><td>.100 <t< td=""><td>.090 <t< td=""><td>.140 <t< td=""><td>.050 <</td></t<></td></t<></td></t<></td></t<></td></t<>	.080 <t< td=""><td>.100 <t< td=""><td>.090 <t< td=""><td>.140 <t< td=""><td>.050 <</td></t<></td></t<></td></t<></td></t<>	.100 <t< td=""><td>.090 <t< td=""><td>.140 <t< td=""><td>.050 <</td></t<></td></t<></td></t<>	.090 <t< td=""><td>.140 <t< td=""><td>.050 <</td></t<></td></t<>	.140 <t< td=""><td>.050 <</td></t<>	.050 <	
HAY	BDL	BDL	BDL	BDL	BDL	BDL	
JUN	BDL	I SM	BDL	BDL			
JUL	BOL	BDL	BDL	BDL	BDL	BDL	
AUG	BDL	BDL	.050 <t< td=""><td>.040 <t< td=""><td>.030 <t< td=""><td>BDL</td></t<></td></t<></td></t<>	.040 <t< td=""><td>.030 <t< td=""><td>BDL</td></t<></td></t<>	.030 <t< td=""><td>BDL</td></t<>	BDL	
SEP	.040 <t< td=""><td>.030 <t< td=""><td>BDL</td><td>BDL</td><td>BDL</td><td>BDL</td></t<></td></t<>	.030 <t< td=""><td>BDL</td><td>BDL</td><td>BDL</td><td>BDL</td></t<>	BDL	BDL	BDL	BDL	
OCT	BOL	BOL	BDL	BDL	BDL	BDL	
NOV	.030 <t< td=""><td>BDL</td><td>.250 <t< td=""><td>BDL</td><td>BDL</td><td>BOL</td></t<></td></t<>	BDL	.250 <t< td=""><td>BDL</td><td>BDL</td><td>BOL</td></t<>	BDL	BDL	BOL	
DEC	BDL	BDL	BDL	BDL	BDL	BDL	
LUMINUM	(UG/L)			DET'N LIMIT = .050	GUIDELINE = 1	00.(A4)	
JAN	290.000	31.320	37.120	42.920	47.560	34.800	
FEB	382.800	47.560	45.240	38.280	52.200	41.760	
MAR	3.944	75.400	73.080	67.280	70.760	56.840	
APR	464.000	53.360	52.200	53.360	56.840	38.280	
MAY	162.400	104.400	91.640	75.400	96.280	82.360	
JUN	68.000	LSM	81.000	85.000		02.300	
JUL	380.000	76.000	85.000	82.000	79.000	62.000	
AUG	140.000	71.000	79.000	65.000	98.000	100.000	
SEP	360.000	200.000	220.000	230.000	200.000	190.000	
OCT	190.000	120.000	120.000	120.000	90.000	90.000	
NOV	590.000	91.000	86.000	80.000	110.000	95.000	
DEC	620.000	45.000	46.000	46.000	57.000	47.000	
RSENIC	(UG/L)			DET'N LIMIT = 0.050	GUIOELINE = 5	0.0 (A1)	
JAN	1.400	.250 <t< td=""><td>.210 <t< td=""><td>.330 <t< td=""><td>.250 <t< td=""><td>.240 <1</td></t<></td></t<></td></t<></td></t<>	.210 <t< td=""><td>.330 <t< td=""><td>.250 <t< td=""><td>.240 <1</td></t<></td></t<></td></t<>	.330 <t< td=""><td>.250 <t< td=""><td>.240 <1</td></t<></td></t<>	.250 <t< td=""><td>.240 <1</td></t<>	.240 <1	
FEB	1.300	.140 <t< td=""><td>.190 <t< td=""><td>.180 <t< td=""><td>.200 <t< td=""><td>BDL</td></t<></td></t<></td></t<></td></t<>	.190 <t< td=""><td>.180 <t< td=""><td>.200 <t< td=""><td>BDL</td></t<></td></t<></td></t<>	.180 <t< td=""><td>.200 <t< td=""><td>BDL</td></t<></td></t<>	.200 <t< td=""><td>BDL</td></t<>	BDL	
MAR	1.100	.910 <t< td=""><td>1.100</td><td>1.000 <t< td=""><td>.770 <1</td><td>1.100</td></t<></td></t<>	1.100	1.000 <t< td=""><td>.770 <1</td><td>1.100</td></t<>	.770 <1	1.100	
APR	1.200	.490 <t< td=""><td>.850 <t< td=""><td>.530 <7</td><td>.530 <t< td=""><td>.550 <1</td></t<></td></t<></td></t<>	.850 <t< td=""><td>.530 <7</td><td>.530 <t< td=""><td>.550 <1</td></t<></td></t<>	.530 <7	.530 <t< td=""><td>.550 <1</td></t<>	.550 <1	
HAY	1.800	1.100	.840 <t< td=""><td>.760 <7</td><td>.520 <t< td=""><td>.680 <</td></t<></td></t<>	.760 <7	.520 <t< td=""><td>.680 <</td></t<>	.680 <	
JUN	1.100	ISM	.560 <t< td=""><td>.660 <t< td=""><td></td><td></td></t<></td></t<>	.660 <t< td=""><td></td><td></td></t<>			
JUL	1.600	.760 <t< td=""><td>.730 <t< td=""><td>.540 <t< td=""><td>.660 <t< td=""><td>.440 <</td></t<></td></t<></td></t<></td></t<>	.730 <t< td=""><td>.540 <t< td=""><td>.660 <t< td=""><td>.440 <</td></t<></td></t<></td></t<>	.540 <t< td=""><td>.660 <t< td=""><td>.440 <</td></t<></td></t<>	.660 <t< td=""><td>.440 <</td></t<>	.440 <	
AUG	1.300	.820 <t< td=""><td>.660 <t< td=""><td>.710 <t< td=""><td>.880 <t< td=""><td>.890 <</td></t<></td></t<></td></t<></td></t<>	.660 <t< td=""><td>.710 <t< td=""><td>.880 <t< td=""><td>.890 <</td></t<></td></t<></td></t<>	.710 <t< td=""><td>.880 <t< td=""><td>.890 <</td></t<></td></t<>	.880 <t< td=""><td>.890 <</td></t<>	.890 <	
				1.200	.910 <t< td=""><td>1.000 <</td></t<>	1.000 <	
	2.000	.980 <t< td=""><td>0011 21</td><td>1 4 5 0 0</td><td></td><td></td></t<>	0011 21	1 4 5 0 0			
SEP	2.000 .800 <t< td=""><td>.980 <t< td=""><td>.990 <1</td><td></td><td></td><td></td></t<></td></t<>	.980 <t< td=""><td>.990 <1</td><td></td><td></td><td></td></t<>	.990 <1				
SEP OCT	.800 <t< td=""><td>.430 <t< td=""><td>.350 <t< td=""><td>.320 <t< td=""><td>.100 <t< td=""><td>.240 <1</td></t<></td></t<></td></t<></td></t<></td></t<>	.430 <t< td=""><td>.350 <t< td=""><td>.320 <t< td=""><td>.100 <t< td=""><td>.240 <1</td></t<></td></t<></td></t<></td></t<>	.350 <t< td=""><td>.320 <t< td=""><td>.100 <t< td=""><td>.240 <1</td></t<></td></t<></td></t<>	.320 <t< td=""><td>.100 <t< td=""><td>.240 <1</td></t<></td></t<>	.100 <t< td=""><td>.240 <1</td></t<>	.240 <1	
SEP						.240 <1 .370 <1 .330 <1	
SEP OCT NOV DEC	.800 <t 1.000 <t 1.200</t </t 	.430 <t 1.300</t 	.350 <t .470 <t< td=""><td>.320 <t .370 <t< td=""><td>.100 <t .370 <t .200 <t< td=""><td>.240 <1 .370 <1 .330 <1</td></t<></t </t </td></t<></t </td></t<></t 	.320 <t .370 <t< td=""><td>.100 <t .370 <t .200 <t< td=""><td>.240 <1 .370 <1 .330 <1</td></t<></t </t </td></t<></t 	.100 <t .370 <t .200 <t< td=""><td>.240 <1 .370 <1 .330 <1</td></t<></t </t 	.240 <1 .370 <1 .330 <1	
SEP OCT NOV DEC	.800 <t 1.000 <t 1.200</t </t 	.430 <t 1.300</t 	.350 <t .470 <t .250 <t< td=""><td>.320 <t .370 <t .180 <t< td=""><td>.100 <t .370 <t .200 <t< td=""><td>.240 <1 .370 <1 .330 <1</td></t<></t </t </td></t<></t </t </td></t<></t </t 	.320 <t .370 <t .180 <t< td=""><td>.100 <t .370 <t .200 <t< td=""><td>.240 <1 .370 <1 .330 <1</td></t<></t </t </td></t<></t </t 	.100 <t .370 <t .200 <t< td=""><td>.240 <1 .370 <1 .330 <1</td></t<></t </t 	.240 <1 .370 <1 .330 <1	
SEP OCT NOV DEC	.800 <t 1.000 <t 1.200</t </t 	.430 <t 1.300 .100 <t< td=""><td>.350 <t .470 <t< td=""><td>.320 <t .370 <t .180 <t< td=""><td>.100 <t .370 <t .200 <t< td=""><td>.240 <1 .370 <1 .330 <1</td></t<></t </t </td></t<></t </t </td></t<></t </td></t<></t 	.350 <t .470 <t< td=""><td>.320 <t .370 <t .180 <t< td=""><td>.100 <t .370 <t .200 <t< td=""><td>.240 <1 .370 <1 .330 <1</td></t<></t </t </td></t<></t </t </td></t<></t 	.320 <t .370 <t .180 <t< td=""><td>.100 <t .370 <t .200 <t< td=""><td>.240 <1 .370 <1 .330 <1</td></t<></t </t </td></t<></t </t 	.100 <t .370 <t .200 <t< td=""><td>.240 <1 .370 <1 .330 <1</td></t<></t </t 	.240 <1 .370 <1 .330 <1	

TABLE 5

DRINKING WATER SURVEILLANCE PROGRAM ST THOMAS (ELGIN WSS) 1989

WATER TREATMENT PLANT

DISTRIBUTION SYSTEM

	RAW		TREATED		SITE 1		SITE 2			
					STANDING	FREE FLOW	STANDING	FRE	E FLOW	
••••••	·									
APR	33.000		24.000		25.000	25.000	23.000		22.000	
HAY	26.000		23.000		20.000	20.000	21.000		20.000	
JUN	21.000		HSH.		21.000	21.000				
JUL	29.000		24.000		25.000	23.000	24.000		23.000	
AUG	24.000		24.000		24.000	23.000	24.000		23.000	
SEP	29.000		24.000		33.000	32.000	26.000		26.000	
ОСТ	24.000		24.000		25.000	24.000	24.000		23.000	
NOV	33.000		22.000		23.000	23.000	22.000		21.000	
OEC	33.000		22.000		23.000	22.000	22.000		22.000	
BORON (UC	5/L)					DET'N LIMIT = 0	.200 GUIDELINE	= 5000.	(A1)	
JAN	35.000		21.000		19.000 <7	18.000 <t< th=""><th>19.000</th><th><t< th=""><th>19.000 <t< th=""><th></th></t<></th></t<></th></t<>	19.000	<t< th=""><th>19.000 <t< th=""><th></th></t<></th></t<>	19.000 <t< th=""><th></th></t<>	
FEB	29.000		22.000		30.000	27.000	23.000		21.000	
MAR	24.000		42.000		73.000	54.000	57.000		73.000	
APR	28.000		74.000		220.000	80.000	43.000		40.000	
HAY	170.000		73.000		34.000	130.000	24.000		44.000	
JUN	21.000		ISH		23.000	23.000				
JUL	35.000		26.000		44.000	23.000	28.000		24.000	
AUG	71.000		27.000		25.000	31.000	22.000		23.000	
SEP	50.000		36.000		45.000	46.000	45.000		46.000	
OCT	23.000		29.000		28.000	25.000	22.000		21.000	
NOV	20.000	<t< th=""><th>21.000</th><th></th><th>23.000</th><th>20.000 <t< th=""><th>21.000</th><th></th><th>21.000</th><th></th></t<></th></t<>	21.000		23.000	20.000 <t< th=""><th>21.000</th><th></th><th>21.000</th><th></th></t<>	21.000		21.000	
DEC	20.000	<t< th=""><th>21.000</th><th></th><th>25.000</th><th>23.000</th><th>24.000</th><th></th><th>22.000</th><th></th></t<>	21.000		25.000	23.000	24.000		22.000	
BERYLLIUM	(UG/L)				DET'N LIMIT = 0	.010 GUIDELINE	= N/A		
JAN	.020	<t< th=""><th>.030</th><th><t< th=""><th>BOL</th><th>.040 <t< th=""><th>.020</th><th><t< th=""><th>BDL</th><th></th></t<></th></t<></th></t<></th></t<>	.030	<t< th=""><th>BOL</th><th>.040 <t< th=""><th>.020</th><th><t< th=""><th>BDL</th><th></th></t<></th></t<></th></t<>	BOL	.040 <t< th=""><th>.020</th><th><t< th=""><th>BDL</th><th></th></t<></th></t<>	.020	<t< th=""><th>BDL</th><th></th></t<>	BDL	
FEB	.090	<t< th=""><th>BOL</th><th></th><th>.030 <t< th=""><th>BOL</th><th>BOL</th><th></th><th>.040 <t< th=""><th></th></t<></th></t<></th></t<>	BOL		.030 <t< th=""><th>BOL</th><th>BOL</th><th></th><th>.040 <t< th=""><th></th></t<></th></t<>	BOL	BOL		.040 <t< th=""><th></th></t<>	
MAR	BOL		.140	< T	.070 <t< th=""><th>.060 <t< th=""><th>.110</th><th><t< th=""><th>.110 <t< th=""><th></th></t<></th></t<></th></t<></th></t<>	.060 <t< th=""><th>.110</th><th><t< th=""><th>.110 <t< th=""><th></th></t<></th></t<></th></t<>	.110	<t< th=""><th>.110 <t< th=""><th></th></t<></th></t<>	.110 <t< th=""><th></th></t<>	
APR	.140	<t< th=""><th>.120</th><th><T</th><th>.260 <t< th=""><th>.150 <t< th=""><th>BOL</th><th></th><th>BOL</th><th></th></t<></th></t<></th></t<>	.120	< T	.260 <t< th=""><th>.150 <t< th=""><th>BOL</th><th></th><th>BOL</th><th></th></t<></th></t<>	.150 <t< th=""><th>BOL</th><th></th><th>BOL</th><th></th></t<>	BOL		BOL	
HAY	.350	<t< th=""><th>.080</th><th><t< b=""></t<></th><th>.090 <t< th=""><th>.120 <t< th=""><th>.100</th><th><t< th=""><th>.030 <t< th=""><th></th></t<></th></t<></th></t<></th></t<></th></t<>	.080	<t< b=""></t<>	.090 <t< th=""><th>.120 <t< th=""><th>.100</th><th><t< th=""><th>.030 <t< th=""><th></th></t<></th></t<></th></t<></th></t<>	.120 <t< th=""><th>.100</th><th><t< th=""><th>.030 <t< th=""><th></th></t<></th></t<></th></t<>	.100	<t< th=""><th>.030 <t< th=""><th></th></t<></th></t<>	.030 <t< th=""><th></th></t<>	
JUN	.070	<t< th=""><th>I SH</th><th></th><th>.030 <t< th=""><th>.030 <t< th=""><th>•</th><th></th><th>•</th><th></th></t<></th></t<></th></t<>	I SH		.030 <t< th=""><th>.030 <t< th=""><th>•</th><th></th><th>•</th><th></th></t<></th></t<>	.030 <t< th=""><th>•</th><th></th><th>•</th><th></th></t<>	•		•	
JUL	.170	<t< th=""><th>.020</th><th><t< th=""><th>.060 <t< th=""><th>BOL</th><th>BOL</th><th></th><th>BOL</th><th></th></t<></th></t<></th></t<>	.020	<t< th=""><th>.060 <t< th=""><th>BOL</th><th>BOL</th><th></th><th>BOL</th><th></th></t<></th></t<>	.060 <t< th=""><th>BOL</th><th>BOL</th><th></th><th>BOL</th><th></th></t<>	BOL	BOL		BOL	
AUG	.120	<t< th=""><th>.060</th><th><t< th=""><th>BDL</th><th>.090 <7</th><th>.020</th><th><1</th><th>.050 <t< th=""><th></th></t<></th></t<></th></t<>	.060	<t< th=""><th>BDL</th><th>.090 <7</th><th>.020</th><th><1</th><th>.050 <t< th=""><th></th></t<></th></t<>	BDL	.090 <7	.020	<1	.050 <t< th=""><th></th></t<>	
SEP	.130	<t< th=""><th>.120</th><th><t< th=""><th>.080 <t< th=""><th>BOL</th><th>.110</th><th><7</th><th>BDL</th><th></th></t<></th></t<></th></t<>	.120	<t< th=""><th>.080 <t< th=""><th>BOL</th><th>.110</th><th><7</th><th>BDL</th><th></th></t<></th></t<>	.080 <t< th=""><th>BOL</th><th>.110</th><th><7</th><th>BDL</th><th></th></t<>	BOL	.110	<7	BDL	
OCT	.020	<t< th=""><th>.030</th><th><t< th=""><th>.020 <t< th=""><th>BOL</th><th>BDL</th><th></th><th>BDL</th><th></th></t<></th></t<></th></t<>	.030	<t< th=""><th>.020 <t< th=""><th>BOL</th><th>BDL</th><th></th><th>BDL</th><th></th></t<></th></t<>	.020 <t< th=""><th>BOL</th><th>BDL</th><th></th><th>BDL</th><th></th></t<>	BOL	BDL		BDL	
NOV	.090	<t< th=""><th>BDL</th><th></th><th>BDL</th><th>BDL</th><th>BOL</th><th></th><th>BOL</th><th></th></t<>	BDL		BDL	BDL	BOL		BOL	
DEC	.020	<₹	BOL		BDL	BOL	BOL		BDL	
CADHIUM (UG/L)					DET'N LIMIT = 0	.050 GUIDELINE	= 5.000	(A1)	
JAN	BOL		BDL		BDL	BOL	.070	<t< th=""><th>BOL</th><th></th></t<>	BOL	
FEB	.070	<1	BOL		BOL	.070 <t< th=""><th></th><th></th><th>BDL</th><th></th></t<>			BDL	
MAR	.150	<1	.120	<7	BDL	BDL	BDL		BDL	
APR	.240	<t< th=""><th>.120</th><th><t< th=""><th>.150 <t< th=""><th>.130 <7</th><th>.140</th><th><t< th=""><th>.160 <t< th=""><th></th></t<></th></t<></th></t<></th></t<></th></t<>	.120	<t< th=""><th>.150 <t< th=""><th>.130 <7</th><th>.140</th><th><t< th=""><th>.160 <t< th=""><th></th></t<></th></t<></th></t<></th></t<>	.150 <t< th=""><th>.130 <7</th><th>.140</th><th><t< th=""><th>.160 <t< th=""><th></th></t<></th></t<></th></t<>	.130 <7	.140	<t< th=""><th>.160 <t< th=""><th></th></t<></th></t<>	.160 <t< th=""><th></th></t<>	
HAY	BOL		BOL		BDL	BDL	.100		BOL	
JUN	BOL		LSH		.100 <t< th=""><th>.090 <7</th><th></th><th></th><th></th><th></th></t<>	.090 <7				
JUL	.070	<t< th=""><th>BOL</th><th></th><th>.200 <t< th=""><th>.100 <t< th=""><th></th><th></th><th>.140 <t< th=""><th></th></t<></th></t<></th></t<></th></t<>	BOL		.200 <t< th=""><th>.100 <t< th=""><th></th><th></th><th>.140 <t< th=""><th></th></t<></th></t<></th></t<>	.100 <t< th=""><th></th><th></th><th>.140 <t< th=""><th></th></t<></th></t<>			.140 <t< th=""><th></th></t<>	
AUG	BDL		BOL		BDL	BDL	BOL		BOL	

TABLE 5 DRINKING WATER SURVEILLANCE PROGRAM ST THOMAS (ELGIN WSS) 1989

	RAW	TREATED	SITE 1		SITE 2	
			STANDING	FREE FLOW	STANDING	FREE FLOW
SEP	BDL	BOL	BOL	BDL	BDL	BOL
OCT	BDL	BDL	BDL	BDL	BDL	BOL
NOA	BDL	BDL	BDL	BOL	BOL	BOL
DEC	BDL	BOL	BDL	BDL	BDL	BOL
COBALT (UG	6/L)			DET'N LIMIT = 0.02	O GUIDELINE =	N/A
JAN	.610 <t< td=""><td>.070 <1</td><td>.110 <t< td=""><td>.120 <t< td=""><td>.130 <1</td><td>.120 <t< td=""></t<></td></t<></td></t<></td></t<>	.070 <1	.110 <t< td=""><td>.120 <t< td=""><td>.130 <1</td><td>.120 <t< td=""></t<></td></t<></td></t<>	.120 <t< td=""><td>.130 <1</td><td>.120 <t< td=""></t<></td></t<>	.130 <1	.120 <t< td=""></t<>
FEB	.790 <t< td=""><td>.040 <7</td><td>.050 <t< td=""><td>.030 <7</td><td>.040 <1</td><td>.060 < T</td></t<></td></t<>	.040 <7	.050 <t< td=""><td>.030 <7</td><td>.040 <1</td><td>.060 < T</td></t<>	.030 <7	.040 <1	.060 < T
MAR	.070 <t< td=""><td>.170 <1</td><td>.140 <t< td=""><td>.190 <t< td=""><td>.180 <1</td><td>.160 <t< td=""></t<></td></t<></td></t<></td></t<>	.170 <1	.140 <t< td=""><td>.190 <t< td=""><td>.180 <1</td><td>.160 <t< td=""></t<></td></t<></td></t<>	.190 <t< td=""><td>.180 <1</td><td>.160 <t< td=""></t<></td></t<>	.180 <1	.160 <t< td=""></t<>
APR	1.000 <t< td=""><td>.090 <1</td><td>.090 <t< td=""><td>.060 <t< td=""><td>.070 <1</td><td>.060 <t< td=""></t<></td></t<></td></t<></td></t<>	.090 <1	.090 <t< td=""><td>.060 <t< td=""><td>.070 <1</td><td>.060 <t< td=""></t<></td></t<></td></t<>	.060 <t< td=""><td>.070 <1</td><td>.060 <t< td=""></t<></td></t<>	.070 <1	.060 <t< td=""></t<>
HAY	.530 <t< td=""><td>.270 <t< td=""><td>.120 <t< td=""><td>.110 <t< td=""><td>.090 <1</td><td>.090 <t< td=""></t<></td></t<></td></t<></td></t<></td></t<>	.270 <t< td=""><td>.120 <t< td=""><td>.110 <t< td=""><td>.090 <1</td><td>.090 <t< td=""></t<></td></t<></td></t<></td></t<>	.120 <t< td=""><td>.110 <t< td=""><td>.090 <1</td><td>.090 <t< td=""></t<></td></t<></td></t<>	.110 <t< td=""><td>.090 <1</td><td>.090 <t< td=""></t<></td></t<>	.090 <1	.090 <t< td=""></t<>
JUN	.050 <t< td=""><td>ISH</td><td>BOL</td><td>BDL</td><td></td><td>•</td></t<>	ISH	BOL	BDL		•
JUL	.810 <t< td=""><td>.060 <1</td><td>.100 <t< td=""><td>.110 <t< td=""><td>.120 <1</td><td>T> 060.</td></t<></td></t<></td></t<>	.060 <1	.100 <t< td=""><td>.110 <t< td=""><td>.120 <1</td><td>T> 060.</td></t<></td></t<>	.110 <t< td=""><td>.120 <1</td><td>T> 060.</td></t<>	.120 <1	T> 060.
AUG	.200 <t< td=""><td>.070 <1</td><td>.120 <t< td=""><td>.110 <t< td=""><td>.110 <1</td><td>.090 <t< td=""></t<></td></t<></td></t<></td></t<>	.070 <1	.120 <t< td=""><td>.110 <t< td=""><td>.110 <1</td><td>.090 <t< td=""></t<></td></t<></td></t<>	.110 <t< td=""><td>.110 <1</td><td>.090 <t< td=""></t<></td></t<>	.110 <1	.090 <t< td=""></t<>
SEP	.730 <t< td=""><td>.090 <1</td><td>.050 <t< td=""><td>.080 <t< td=""><td>.110 <7</td><td>.110 <t< td=""></t<></td></t<></td></t<></td></t<>	.090 <1	.050 <t< td=""><td>.080 <t< td=""><td>.110 <7</td><td>.110 <t< td=""></t<></td></t<></td></t<>	.080 <t< td=""><td>.110 <7</td><td>.110 <t< td=""></t<></td></t<>	.110 <7	.110 <t< td=""></t<>
OCT	.310 <t< td=""><td>.090 <t< td=""><td>.070 <t< td=""><td>.090 <t< td=""><td>.060 <1</td><td>.090 <t< td=""></t<></td></t<></td></t<></td></t<></td></t<>	.090 <t< td=""><td>.070 <t< td=""><td>.090 <t< td=""><td>.060 <1</td><td>.090 <t< td=""></t<></td></t<></td></t<></td></t<>	.070 <t< td=""><td>.090 <t< td=""><td>.060 <1</td><td>.090 <t< td=""></t<></td></t<></td></t<>	.090 <t< td=""><td>.060 <1</td><td>.090 <t< td=""></t<></td></t<>	.060 <1	.090 <t< td=""></t<>
NOV	1.200	.060 <t< td=""><td>.030 <t< td=""><td>.030 <t< td=""><td>.030 <1</td><td>.030 <1</td></t<></td></t<></td></t<>	.030 <t< td=""><td>.030 <t< td=""><td>.030 <1</td><td>.030 <1</td></t<></td></t<>	.030 <t< td=""><td>.030 <1</td><td>.030 <1</td></t<>	.030 <1	.030 <1
DEC	1.300	.100 <7	.150 <t< td=""><td>.050 <7</td><td>.050 <1</td><td>.040 <t< td=""></t<></td></t<>	.050 <7	.050 <1	.040 <t< td=""></t<>
CHROMIUM (UG/L)			DET'N LIMIT = 0.10	O GUIDELINE =	50. (A1)
JAN	5.200	.560 <t< td=""><td>.530 <t< td=""><td>BOL</td><td>BOL</td><td>.150 <t< td=""></t<></td></t<></td></t<>	.530 <t< td=""><td>BOL</td><td>BOL</td><td>.150 <t< td=""></t<></td></t<>	BOL	BOL	.150 <t< td=""></t<>
FEB	1.800	BDL	1.200	.670 <t< td=""><td>.150 <1</td><td>BDL</td></t<>	.150 <1	BDL
MAR	.210 <t< td=""><td>2.800</td><td>6.700</td><td>4.300</td><td>5.300</td><td>6.900</td></t<>	2.800	6.700	4.300	5.300	6.900
APR	.850 <t< td=""><td>2.200</td><td>8.800</td><td>2.600</td><td>.950 <1</td><td>.730 <t< td=""></t<></td></t<>	2.200	8.800	2.600	.950 <1	.730 <t< td=""></t<>
HAY	9.000	2.800	.770 <t< td=""><td>4.500</td><td>.370 <1</td><td>1.100</td></t<>	4.500	.370 <1	1.100
JUN	.240 <t< td=""><td>LSM</td><td>.450 <t< td=""><td>.140 <t< td=""><td></td><td></td></t<></td></t<></td></t<>	LSM	.450 <t< td=""><td>.140 <t< td=""><td></td><td></td></t<></td></t<>	.140 <t< td=""><td></td><td></td></t<>		
JUL	4.000	1.300	5.800	.660 <t< td=""><td>1.900</td><td>.950 <t< td=""></t<></td></t<>	1.900	.950 <t< td=""></t<>
AUG	7.200	1.000 <t< td=""><td>.730 <t< td=""><td>1.300</td><td>.350 <1</td><td>.390 <t< td=""></t<></td></t<></td></t<>	.730 <t< td=""><td>1.300</td><td>.350 <1</td><td>.390 <t< td=""></t<></td></t<>	1.300	.350 <1	.390 <t< td=""></t<>
SEP	5.500	2.500	4.300	4.500	4.200	4.200
OCT	.930 <t< td=""><td>2.700</td><td>1.900</td><td>1.300</td><td>BDL</td><td>BDL</td></t<>	2.700	1.900	1.300	BDL	BDL
NOV	.870 <t< td=""><td>BDL</td><td>BDL</td><td>BDL</td><td>BDL</td><td>BDL</td></t<>	BDL	BDL	BDL	BDL	BDL
DEC	.850 <t< td=""><td>.110 <7</td><td>1.200</td><td>.430 <t< td=""><td>.690 <1</td><td>T> 061.</td></t<></td></t<>	.110 <7	1.200	.430 <t< td=""><td>.690 <1</td><td>T> 061.</td></t<>	.690 <1	T> 061.
COPPER (UG	/L)			DET'N LIMIT = .100	GUIDELINE =	1000 (A3)
JAN	2.300	.980 <t< td=""><td>12.000</td><td>2.000</td><td>34.000</td><td>3.900</td></t<>	12.000	2.000	34.000	3.900
FEB	3.500	1.200	5.100	3.600	33.000	3.200
MAR	6.400	1.900	8.800	3.900	25.000	3.200
APR	4.700	1.400	5.600	2.800	28.000	4.000
MAY	2.300	1.400	5.100	3.900	39.000	4.500
JUN	1.600	ESH	4.500	4.700	•	
JUL	3.900	1.300	10.000	4.200	24.000	3.400
AUG	1.300	.650 <t< td=""><td></td><td>2.700</td><td>18.000</td><td>2.700</td></t<>		2.700	18.000	2.700
SEP	3.600	1.100	5.100	2.900	16.000	3.000
OCT	1.500	.840 <t< td=""><td></td><td>2.100</td><td>25.000</td><td>3.800</td></t<>		2.100	25.000	3.800
NOV	4.600	.980 <t< td=""><td>15.000</td><td>1.800</td><td>17.000</td><td>2.800</td></t<>	15.000	1.800	17.000	2.800

TABLE 5

DRINKING WATER SURVEILLANCE PROGRAM ST THOMAS (ELGIN WSS) 1989

WATER TREATMENT PLANT

DISTRIBUTION SYSTEM

	RAW	TREATED	SITE 1		SITE 2	
			STANDING	FREE FLOW	STANDING	FREE FLOW
IRON (UG/	/L)			DET'N LIMIT = 4.	000 GUIDELINE = 3	300. (A3)
JAN	770.000	13.000 <t< th=""><th>BDL</th><th>BOL</th><th>22.000 <t< th=""><th>15.000 <t< th=""></t<></th></t<></th></t<>	BDL	BOL	22.000 <t< th=""><th>15.000 <t< th=""></t<></th></t<>	15.000 <t< th=""></t<>
FEB	1100.000	16.000 <t< th=""><th>11.000 <t< th=""><th>16.000 <t< th=""><th>17.000 <t< th=""><th>26.000 <t< th=""></t<></th></t<></th></t<></th></t<></th></t<>	11.000 <t< th=""><th>16.000 <t< th=""><th>17.000 <t< th=""><th>26.000 <t< th=""></t<></th></t<></th></t<></th></t<>	16.000 <t< th=""><th>17.000 <t< th=""><th>26.000 <t< th=""></t<></th></t<></th></t<>	17.000 <t< th=""><th>26.000 <t< th=""></t<></th></t<>	26.000 <t< th=""></t<>
MAR	BDL	13.000 <t< th=""><th>7.600 <t< th=""><th>5.100 <t< th=""><th>19.000 <t< th=""><th>14.000 <t< th=""></t<></th></t<></th></t<></th></t<></th></t<>	7.600 <t< th=""><th>5.100 <t< th=""><th>19.000 <t< th=""><th>14.000 <t< th=""></t<></th></t<></th></t<></th></t<>	5.100 <t< th=""><th>19.000 <t< th=""><th>14.000 <t< th=""></t<></th></t<></th></t<>	19.000 <t< th=""><th>14.000 <t< th=""></t<></th></t<>	14.000 <t< th=""></t<>
APR	1100.000	13.000 <t< th=""><th>6.300 <t< th=""><th>BDL</th><th>26.000 <t< th=""><th>7.800 <t< th=""></t<></th></t<></th></t<></th></t<>	6.300 <t< th=""><th>BDL</th><th>26.000 <t< th=""><th>7.800 <t< th=""></t<></th></t<></th></t<>	BDL	26.000 <t< th=""><th>7.800 <t< th=""></t<></th></t<>	7.800 <t< th=""></t<>
` HAY	290.000	BDL	BDL	BDL	BDL	BDL
JUN	100.000	I SM	BDL	6.100 <t< th=""><th>•</th><th>•</th></t<>	•	•
JUL	850.000	19.000 <t< th=""><th>BDL</th><th>6.200 <t< th=""><th>15.000 <t< th=""><th>16.000 <t< th=""></t<></th></t<></th></t<></th></t<>	BDL	6.200 <t< th=""><th>15.000 <t< th=""><th>16.000 <t< th=""></t<></th></t<></th></t<>	15.000 <t< th=""><th>16.000 <t< th=""></t<></th></t<>	16.000 <t< th=""></t<>
AUG	180.000	6.700 <t< th=""><th>16.000 <t< th=""><th>BDL</th><th>6.300 <t< th=""><th>9.300 <t< th=""></t<></th></t<></th></t<></th></t<>	16.000 <t< th=""><th>BDL</th><th>6.300 <t< th=""><th>9.300 <t< th=""></t<></th></t<></th></t<>	BDL	6.300 <t< th=""><th>9.300 <t< th=""></t<></th></t<>	9.300 <t< th=""></t<>
SEP	770.000	BDL	BDL	BDL	8.000 <t< th=""><th>8.300 <t< th=""></t<></th></t<>	8.300 <t< th=""></t<>
OCT	370.000	BDL	BDL	BDL	7.400 <t< th=""><th>5.100 <t< th=""></t<></th></t<>	5.100 <t< th=""></t<>
NOV	1500.000	98.000	BDL	BDL	11.000 <7	13.000 <t< th=""></t<>
DEC	1600.000	BDL	BOL	BDL	12.000 <t< th=""><th>16.000 <t< th=""></t<></th></t<>	16.000 <t< th=""></t<>
MERCURY	(UG/L)			DET'N LIMIT = 0.	.010 GUIDELINE =	1.000 (A1)
JAN	.030 <t< td=""><td>.030 <t< td=""><td></td><td>.040 <t< td=""><td>•</td><td>.030 <t< td=""></t<></td></t<></td></t<></td></t<>	.030 <t< td=""><td></td><td>.040 <t< td=""><td>•</td><td>.030 <t< td=""></t<></td></t<></td></t<>		.040 <t< td=""><td>•</td><td>.030 <t< td=""></t<></td></t<>	•	.030 <t< td=""></t<>
FEB	.030 <t< th=""><th>.030 <t< th=""><th>•</th><th>.020 <t< th=""><th>•</th><th>.030 <t< th=""></t<></th></t<></th></t<></th></t<>	.030 <t< th=""><th>•</th><th>.020 <t< th=""><th>•</th><th>.030 <t< th=""></t<></th></t<></th></t<>	•	.020 <t< th=""><th>•</th><th>.030 <t< th=""></t<></th></t<>	•	.030 <t< th=""></t<>
MAR	.020 <t< th=""><th>.030 <t< th=""><th>•</th><th>.030 <t< th=""><th></th><th>.030 <t< th=""></t<></th></t<></th></t<></th></t<>	.030 <t< th=""><th>•</th><th>.030 <t< th=""><th></th><th>.030 <t< th=""></t<></th></t<></th></t<>	•	.030 <t< th=""><th></th><th>.030 <t< th=""></t<></th></t<>		.030 <t< th=""></t<>
APR	.020 <t< th=""><th>.040 <t< th=""><th>•</th><th>.030 <7</th><th>•</th><th>.030 <t< th=""></t<></th></t<></th></t<>	.040 <t< th=""><th>•</th><th>.030 <7</th><th>•</th><th>.030 <t< th=""></t<></th></t<>	•	.030 <7	•	.030 <t< th=""></t<>
MAY	.050 <t< th=""><th>.040 <t< th=""><th></th><th>.030 <t< th=""><th>•</th><th>.030 <7</th></t<></th></t<></th></t<>	.040 <t< th=""><th></th><th>.030 <t< th=""><th>•</th><th>.030 <7</th></t<></th></t<>		.030 <t< th=""><th>•</th><th>.030 <7</th></t<>	•	.030 <7
JUN	.040 <t< th=""><th>.050 <</th><th>•</th><th>.040 <t< th=""><th>•</th><th>•</th></t<></th></t<>	.050 <	•	.040 <t< th=""><th>•</th><th>•</th></t<>	•	•
JUL	.040 <t< th=""><th>.040 <t< th=""><th></th><th>.040 <t< th=""><th>•</th><th>.040 <t< th=""></t<></th></t<></th></t<></th></t<>	.040 <t< th=""><th></th><th>.040 <t< th=""><th>•</th><th>.040 <t< th=""></t<></th></t<></th></t<>		.040 <t< th=""><th>•</th><th>.040 <t< th=""></t<></th></t<>	•	.040 <t< th=""></t<>
AUG	.040 <t< th=""><th>.070</th><th></th><th>.060</th><th>•</th><th>.070</th></t<>	.070		.060	•	.070
SEP	.040 <t< th=""><th>.030 <t< th=""><th></th><th>.030 <t< th=""><th>•</th><th>.030 <t< th=""></t<></th></t<></th></t<></th></t<>	.030 <t< th=""><th></th><th>.030 <t< th=""><th>•</th><th>.030 <t< th=""></t<></th></t<></th></t<>		.030 <t< th=""><th>•</th><th>.030 <t< th=""></t<></th></t<>	•	.030 <t< th=""></t<>
OCT	.030 <t< th=""><th>.060</th><th>•</th><th>.030 <t< th=""><th>•</th><th>.030 <t< th=""></t<></th></t<></th></t<>	.060	•	.030 <t< th=""><th>•</th><th>.030 <t< th=""></t<></th></t<>	•	.030 <t< th=""></t<>
NOV	.040 <t< th=""><th>.090</th><th></th><th>.070</th><th>•</th><th>.040 <t< th=""></t<></th></t<>	.090		.070	•	.040 <t< th=""></t<>
DEC	.040 <t< th=""><th>.030 <t< th=""><th>•</th><th>.040 <t< th=""><th>•</th><th>.040 <t< th=""></t<></th></t<></th></t<></th></t<>	.030 <t< th=""><th>•</th><th>.040 <t< th=""><th>•</th><th>.040 <t< th=""></t<></th></t<></th></t<>	•	.040 <t< th=""><th>•</th><th>.040 <t< th=""></t<></th></t<>	•	.040 <t< th=""></t<>
MANGANESE	(UG/L)			DET'N LIMIT = .0	050 GUIDELINE =	50.0 (A3)
JAN	90.000	1.200	.800	.760	1.400	1.500
FEB	150.000	1.100	.990	.990	.850	1.700
MAR	BDL	.610	.550	.470 <	.970	1.100
APR	140.000	1.500	1.100	1.100	2.900	1.500
MAY	40.000	.760	.790	.880	1.100	2.100
JUN	9.800	I SH	.920	.900	•	•
JUL	130.000	.900	.470 <t< th=""><th></th><th>2.200</th><th>2.300</th></t<>		2.200	2.300
AUG	16.000	.600	.890	.680	2.100	1.900
SEP	110.000	.490 <t< th=""><th>.370 <t< th=""><th></th><th>2.600</th><th>2.200</th></t<></th></t<>	.370 <t< th=""><th></th><th>2.600</th><th>2.200</th></t<>		2.600	2.200
OCT	24.000	.440 <t< th=""><th>.410 <t< th=""><th></th><th>1.900</th><th>1.900</th></t<></th></t<>	.410 <t< th=""><th></th><th>1.900</th><th>1.900</th></t<>		1.900	1.900
NOV	180.000	1.500	.960	1.000	1.300	1.800
DEC	200.000	1.200	.790	.810	1.100	2.000
MOLYBDEN	JM (UG/L)			DET'N LIMIT = 0	.020 GUIDELINE =	N/A
JÄN	.520	.980	.980	.960	1.000	1.100
FEB	.540	1.200	1.200	1.200	1.100	1.100
MAR	1.700	1.200	1.300	1.300	1.200	1.300
	.400 <t< th=""><th>1.200</th><th></th><th></th><th>1.200</th><th>1.200</th></t<>	1.200			1.200	1.200
APR	.400 <1	1.200	1.100	1.100	1.200	1.200

TABLE 5 DRINKING WATER SURVEILLANCE PROGRAM ST THOMAS (ELGIN WSS) 1989

	RAW	TREATED	SITE 1		SITE 2	
**********			STANDING	FREE FLOW	STANDING	FREE FLOW
HAY	1.100	1.600	1.300	1.300	1.300	1.200
JUN	1.600	I SH	1.600	1.500		•
JUL	,800	1.300	1.400	1.400	1.400	1.300
AUG	1.200	1.300	1.300	1.300	1.200	1.300
SEP	.840	1.300	1.600	1.800	1.400	1.600
OCT	1.100	1.300	1.300	1.300	1.200	1.200
NOV	.380 <t< td=""><td>1.100</td><td>1.200</td><td>1,100</td><td>1.100</td><td>1.100</td></t<>	1.100	1.200	1,100	1.100	1.100
DEC	.360 <t< td=""><td>1.100</td><td>1.100</td><td>1.200</td><td>1.200</td><td>1.200</td></t<>	1.100	1.100	1.200	1.200	1.200
NICKEL (U	G/L)			DET'N LIMIT = 0.	.100 GUIDELINE = !	50. (F3)
JAN	1.700 <t< td=""><td>.240 <t< td=""><td>.970 <t< td=""><td>.840 <t< td=""><td>.930 <t< td=""><td></td></t<></td></t<></td></t<></td></t<></td></t<>	.240 <t< td=""><td>.970 <t< td=""><td>.840 <t< td=""><td>.930 <t< td=""><td></td></t<></td></t<></td></t<></td></t<>	.970 <t< td=""><td>.840 <t< td=""><td>.930 <t< td=""><td></td></t<></td></t<></td></t<>	.840 <t< td=""><td>.930 <t< td=""><td></td></t<></td></t<>	.930 <t< td=""><td></td></t<>	
FEB	1.500 <t< td=""><td>BDL</td><td>.360 <t< td=""><td>.540 <t< td=""><td>.760 <t< td=""><td>.760 <t< td=""></t<></td></t<></td></t<></td></t<></td></t<>	BDL	.360 <t< td=""><td>.540 <t< td=""><td>.760 <t< td=""><td>.760 <t< td=""></t<></td></t<></td></t<></td></t<>	.540 <t< td=""><td>.760 <t< td=""><td>.760 <t< td=""></t<></td></t<></td></t<>	.760 <t< td=""><td>.760 <t< td=""></t<></td></t<>	.760 <t< td=""></t<>
MAR	.270 <t< td=""><td>1.500 <t< td=""><td>2.100</td><td>1.400 <t< td=""><td>1.900 <t< td=""><td>1.300 <t< td=""></t<></td></t<></td></t<></td></t<></td></t<>	1.500 <t< td=""><td>2.100</td><td>1.400 <t< td=""><td>1.900 <t< td=""><td>1.300 <t< td=""></t<></td></t<></td></t<></td></t<>	2.100	1.400 <t< td=""><td>1.900 <t< td=""><td>1.300 <t< td=""></t<></td></t<></td></t<>	1.900 <t< td=""><td>1.300 <t< td=""></t<></td></t<>	1.300 <t< td=""></t<>
APR	1.800 <t< td=""><td>.400 <t< td=""><td>.530 <٢</td><td>.380 <t< td=""><td>.740 <t< td=""><td>.860 <t< td=""></t<></td></t<></td></t<></td></t<></td></t<>	.400 <t< td=""><td>.530 <٢</td><td>.380 <t< td=""><td>.740 <t< td=""><td>.860 <t< td=""></t<></td></t<></td></t<></td></t<>	.530 <٢	.380 <t< td=""><td>.740 <t< td=""><td>.860 <t< td=""></t<></td></t<></td></t<>	.740 <t< td=""><td>.860 <t< td=""></t<></td></t<>	.860 <t< td=""></t<>
MAY	2.100	1.500 <t< td=""><td>1.400 <t< td=""><td>1.600 <t< td=""><td></td><td>1.300 <t< td=""></t<></td></t<></td></t<></td></t<>	1.400 <t< td=""><td>1.600 <t< td=""><td></td><td>1.300 <t< td=""></t<></td></t<></td></t<>	1.600 <t< td=""><td></td><td>1.300 <t< td=""></t<></td></t<>		1.300 <t< td=""></t<>
JUN	.780 <7	I SM	.680 <t< td=""><td>.310 <t< td=""><td></td><td>•</td></t<></td></t<>	.310 <t< td=""><td></td><td>•</td></t<>		•
JUL	1.600 <t< td=""><td>.420 <t< td=""><td>.780 <t< td=""><td>.530 <t< td=""><td>.540 <t< td=""><td>.770 <t< td=""></t<></td></t<></td></t<></td></t<></td></t<></td></t<>	.420 <t< td=""><td>.780 <t< td=""><td>.530 <t< td=""><td>.540 <t< td=""><td>.770 <t< td=""></t<></td></t<></td></t<></td></t<></td></t<>	.780 <t< td=""><td>.530 <t< td=""><td>.540 <t< td=""><td>.770 <t< td=""></t<></td></t<></td></t<></td></t<>	.530 <t< td=""><td>.540 <t< td=""><td>.770 <t< td=""></t<></td></t<></td></t<>	.540 <t< td=""><td>.770 <t< td=""></t<></td></t<>	.770 <t< td=""></t<>
AUG	2.100	1.600 <t< td=""><td>2.600</td><td>1.700 <t< td=""><td>2.100</td><td>1.400 <t< td=""></t<></td></t<></td></t<>	2.600	1.700 <t< td=""><td>2.100</td><td>1.400 <t< td=""></t<></td></t<>	2.100	1.400 <t< td=""></t<>
SEP	1.800 <t< td=""><td>.350 <t< td=""><td>.810 <t< td=""><td>.890 <t< td=""><td>3.300</td><td>.680 <t< td=""></t<></td></t<></td></t<></td></t<></td></t<>	.350 <t< td=""><td>.810 <t< td=""><td>.890 <t< td=""><td>3.300</td><td>.680 <t< td=""></t<></td></t<></td></t<></td></t<>	.810 <t< td=""><td>.890 <t< td=""><td>3.300</td><td>.680 <t< td=""></t<></td></t<></td></t<>	.890 <t< td=""><td>3.300</td><td>.680 <t< td=""></t<></td></t<>	3.300	.680 <t< td=""></t<>
OCT	1.200 <t< td=""><td>.240 <t< td=""><td>1.400 <t< td=""><td>.280 <t< td=""><td>.750 <t< td=""><td>BDL</td></t<></td></t<></td></t<></td></t<></td></t<>	.240 <t< td=""><td>1.400 <t< td=""><td>.280 <t< td=""><td>.750 <t< td=""><td>BDL</td></t<></td></t<></td></t<></td></t<>	1.400 <t< td=""><td>.280 <t< td=""><td>.750 <t< td=""><td>BDL</td></t<></td></t<></td></t<>	.280 <t< td=""><td>.750 <t< td=""><td>BDL</td></t<></td></t<>	.750 <t< td=""><td>BDL</td></t<>	BDL
NOV	3.600	.960 <t< td=""><td>2.300</td><td>1.300 <t< td=""><td>2.100</td><td>1.400 <t< td=""></t<></td></t<></td></t<>	2.300	1.300 <t< td=""><td>2.100</td><td>1.400 <t< td=""></t<></td></t<>	2.100	1.400 <t< td=""></t<>
DEC	1.900 <t< td=""><td>.820 <t< td=""><td>.770 <1</td><td>.960 <t< td=""><td>1.100 <t< td=""><td>1.300 <t< td=""></t<></td></t<></td></t<></td></t<></td></t<>	.820 <t< td=""><td>.770 <1</td><td>.960 <t< td=""><td>1.100 <t< td=""><td>1.300 <t< td=""></t<></td></t<></td></t<></td></t<>	.770 <1	.960 <t< td=""><td>1.100 <t< td=""><td>1.300 <t< td=""></t<></td></t<></td></t<>	1.100 <t< td=""><td>1.300 <t< td=""></t<></td></t<>	1.300 <t< td=""></t<>
LEAD (UG/	.)			OET'N LIMIT = 0.	.050 GUIDELINE = !	50. (A1)
JAN	1.800	.070 <7	4.000	.230	4.200	.350
FEB	2.300	.060 <t< td=""><td>1.000</td><td>.210</td><td>2.200</td><td>.250</td></t<>	1.000	.210	2.200	.250
MAR	.090 <t< td=""><td>.190 <t< td=""><td>.790</td><td>.460</td><td>2.000</td><td>.430</td></t<></td></t<>	.190 <t< td=""><td>.790</td><td>.460</td><td>2.000</td><td>.430</td></t<>	.790	.460	2.000	.430
APR	2.800	.340	1.500	.510	5.800	.520
HAY	.890	BDL	.670	.420	3.000	.680
JUN	.250	LSM	1.000	.510	•	•
JUL	2.300	.180 <t< td=""><td>4.400</td><td>.940</td><td>3.100</td><td>.910</td></t<>	4.400	.940	3.100	.910
AUG	.460	BDL	1.800	.650	2.600	.850
SEP	2.200	.100 <t< td=""><td>1.200</td><td>.830</td><td>3.200</td><td>1.000</td></t<>	1.200	.830	3.200	1.000
OCT	.510	.070 <t< td=""><td>1.100</td><td>.380</td><td>3.300</td><td>.600</td></t<>	1.100	.380	3.300	.600
NOV	2.800	.030 <t< td=""><td>1.300</td><td>.240</td><td>2.100</td><td>.320</td></t<>	1.300	.240	2.100	.320
DEC	3.100	BDL	.720	.150 <t< td=""><td>2.000</td><td>.260</td></t<>	2.000	.260
ANTIMONY ((UG/L)			OET'N LIMIT = .0	050 GUIDELINE =	146. (04)
JAN	.360	.390	.450	.540	.590	.500
FE8	.300	.460	.420	.450	.550	.440
MAR	.990	.730	.730	.780	.740	.660
APR	.360	.550	.580	.670	.640	.500
MAY	.840	.740	.810	.720	.870	.810
JUN	.950	1SM	.980	.940		
JUL	.540	.620	.730	.770	.720	.630
AUG	.840	.620	.640	.710	.750	.740
SEP	.600	.730	.610	.610	.650	.620

TABLE 5 DRINKING WATER SURVEILLANCE PROGRAM ST THOMAS (ELGIN WSS) 1989

THALLIUM (UG/L)

WATER TREATMENT PLANT DISTRIBUTION SYSTEM

DET'N LIMIT = .010 GUIDELINE = 13. (D4)

	RAW	TREATED	SITE 1		SITE 2	
*********	,		STANDING	FREE FLOW	STAND1NG	FREE FLOW
720	/70	.440	.550	.550	.650	.690
NOV	.430 .270	.320	.380	.320	.440	.300
DEC	.250	.440	.510	.440	.560	.520
SELENIUM	(UG/L)			DET'N LIMIT = 0.2	00 GUIDELINE = 1	0. (A1)
NAL	.420 <t< td=""><td>.240 <t< td=""><td>1.700 <t< td=""><td>.630 <7</td><td>.630 <t< td=""><td>1.000 <7</td></t<></td></t<></td></t<></td></t<>	.240 <t< td=""><td>1.700 <t< td=""><td>.630 <7</td><td>.630 <t< td=""><td>1.000 <7</td></t<></td></t<></td></t<>	1.700 <t< td=""><td>.630 <7</td><td>.630 <t< td=""><td>1.000 <7</td></t<></td></t<>	.630 <7	.630 <t< td=""><td>1.000 <7</td></t<>	1.000 <7
FEB	1.400 <t< td=""><td>.600 <7</td><td>2.000 <7</td><td>2.200 <t< td=""><td>2.100 <t< td=""><td>1.800 <t< td=""></t<></td></t<></td></t<></td></t<>	.600 <7	2.000 <7	2.200 <t< td=""><td>2.100 <t< td=""><td>1.800 <t< td=""></t<></td></t<></td></t<>	2.100 <t< td=""><td>1.800 <t< td=""></t<></td></t<>	1.800 <t< td=""></t<>
MAR	6.800 <t< td=""><td>4.500 <t< td=""><td>4.700 <t< td=""><td>2.600 <t< td=""><td>5.400 <t< td=""><td>4.500 <t< td=""></t<></td></t<></td></t<></td></t<></td></t<></td></t<>	4.500 <t< td=""><td>4.700 <t< td=""><td>2.600 <t< td=""><td>5.400 <t< td=""><td>4.500 <t< td=""></t<></td></t<></td></t<></td></t<></td></t<>	4.700 <t< td=""><td>2.600 <t< td=""><td>5.400 <t< td=""><td>4.500 <t< td=""></t<></td></t<></td></t<></td></t<>	2.600 <t< td=""><td>5.400 <t< td=""><td>4.500 <t< td=""></t<></td></t<></td></t<>	5.400 <t< td=""><td>4.500 <t< td=""></t<></td></t<>	4.500 <t< td=""></t<>
APR	1.400 <t< td=""><td>3.600 <t< td=""><td>3.200 <t< td=""><td>2.400 <t< td=""><td>4.500 <t< td=""><td>3.600 <t< td=""></t<></td></t<></td></t<></td></t<></td></t<></td></t<>	3.600 <t< td=""><td>3.200 <t< td=""><td>2.400 <t< td=""><td>4.500 <t< td=""><td>3.600 <t< td=""></t<></td></t<></td></t<></td></t<></td></t<>	3.200 <t< td=""><td>2.400 <t< td=""><td>4.500 <t< td=""><td>3.600 <t< td=""></t<></td></t<></td></t<></td></t<>	2.400 <t< td=""><td>4.500 <t< td=""><td>3.600 <t< td=""></t<></td></t<></td></t<>	4.500 <t< td=""><td>3.600 <t< td=""></t<></td></t<>	3.600 <t< td=""></t<>
MAY	1.100 <t< td=""><td>2.600 <t< td=""><td>5.400 <t< td=""><td>3.600 <t< td=""><td>4.000 <t< td=""><td>5.300 <t< td=""></t<></td></t<></td></t<></td></t<></td></t<></td></t<>	2.600 <t< td=""><td>5.400 <t< td=""><td>3.600 <t< td=""><td>4.000 <t< td=""><td>5.300 <t< td=""></t<></td></t<></td></t<></td></t<></td></t<>	5.400 <t< td=""><td>3.600 <t< td=""><td>4.000 <t< td=""><td>5.300 <t< td=""></t<></td></t<></td></t<></td></t<>	3.600 <t< td=""><td>4.000 <t< td=""><td>5.300 <t< td=""></t<></td></t<></td></t<>	4.000 <t< td=""><td>5.300 <t< td=""></t<></td></t<>	5.300 <t< td=""></t<>
MUL	.750 <t< td=""><td>1SM</td><td>2.500 <t< td=""><td></td><td></td><td></td></t<></td></t<>	1SM	2.500 <t< td=""><td></td><td></td><td></td></t<>			
	BDL BDL	2.200 <t< td=""><td>3.300 <7</td><td>2.700 <t< td=""><td>4.300 <t< td=""><td>2.900 <t< td=""></t<></td></t<></td></t<></td></t<>	3.300 <7	2.700 <t< td=""><td>4.300 <t< td=""><td>2.900 <t< td=""></t<></td></t<></td></t<>	4.300 <t< td=""><td>2.900 <t< td=""></t<></td></t<>	2.900 <t< td=""></t<>
JUL					4.200 <t< td=""><td>5.700</td></t<>	5.700
AUG	1.300 <t< td=""><td>2.900 <t< td=""><td>3.500 <t< td=""><td>2.800 <t< td=""><td>1.500 <t< td=""><td>3.200 <t< td=""></t<></td></t<></td></t<></td></t<></td></t<></td></t<>	2.900 <t< td=""><td>3.500 <t< td=""><td>2.800 <t< td=""><td>1.500 <t< td=""><td>3.200 <t< td=""></t<></td></t<></td></t<></td></t<></td></t<>	3.500 <t< td=""><td>2.800 <t< td=""><td>1.500 <t< td=""><td>3.200 <t< td=""></t<></td></t<></td></t<></td></t<>	2.800 <t< td=""><td>1.500 <t< td=""><td>3.200 <t< td=""></t<></td></t<></td></t<>	1.500 <t< td=""><td>3.200 <t< td=""></t<></td></t<>	3.200 <t< td=""></t<>
SEP	5.300	6.100	2.200 <7	2.300 < T		
OCT	BDL	BDL	BDL	BDL	1.100 <t< td=""><td>BDL BDL</td></t<>	BDL BDL
NOV	BDL BOL	BDL BDL	BDL BDL	BDL BDL	BDL BDL	BDL
STRONTIUM	(UG/L)			DET'N LIMIT = .050	O GUIDELINE = N	/A
JAN	140.000	130.000	130.000	130.000	130.000	130.000
FEB	170.000	150.000	150.000	150.000	150.000	150.000
MAR	79.000	150.000	150.000	150.000	150.000	150.000
APR	200.000	170.000	170.000	170.000	170.000	170.000
HAY	170.000	160.000	160.000	160.000	160.000	160.000
JUN	160.000	!SH	150.000	150.000	•	•
JUL	170.000	150.000	160.000	150.000	150.000	150.000
AUG	150.000	150.000	150.000	150.000	140.000	140.000
SEP	170.000	150.000	180.000	180.000	170.000	160.000
OCT	150.000	150.000	150.000	150.000	150.000	150.000
NOV	180.000	150.000	150.000	150.000	140.000	140.000
DEC	180.000	140.000	150.000	150.000	150.000	140.000
TITANIUM	(UG/L)		••••••	DET'N LIMIT = .05	O GUIDELINE = N	I/A
JAN	7.600	2.100	2.100	1.600 <t< td=""><td>1.500 <t< td=""><td>1.500 <7</td></t<></td></t<>	1.500 <t< td=""><td>1.500 <7</td></t<>	1.500 <7
FEB	9.300	2.300	2.300	2.000 <t< td=""><td>2.000 <t< td=""><td>2.200</td></t<></td></t<>	2.000 <t< td=""><td>2.200</td></t<>	2.200
MAR	1.700 <t< td=""><td>3.600</td><td>3.200</td><td>2.500</td><td>2.700</td><td>3.000</td></t<>	3.600	3.200	2.500	2.700	3.000
APR	16.000	6.700	6.800	6.800	7.000	6.800
MAY	8.600	3.800	5.000	5.000	4.900	5.100
JUN	6.900	ISM	5.200	5.200		
JUL	13.000	4.300	5.000	4.700	4.900	4.400
AUG	10.000	4.300	4.200	4.400	4.100	4.100
SEP	14.000	5.300	4.700	4.800	4.400	4.500
OCT	8.300	3.000	3.100	2.500	3.300	3.500
NOV	11.000	1.900 <t< td=""><td>2.700</td><td>1.900 <t< td=""><td>1.700 <t< td=""><td>1.900 <t< td=""></t<></td></t<></td></t<></td></t<>	2.700	1.900 <t< td=""><td>1.700 <t< td=""><td>1.900 <t< td=""></t<></td></t<></td></t<>	1.700 <t< td=""><td>1.900 <t< td=""></t<></td></t<>	1.900 <t< td=""></t<>
DEC	11.000	2.600	2.700	2.500	2.400	2.300
520	11.000	2.000	2.700	2.300	2.400	2.300

TABLE 5 DRINKING WATER SURVEILLANCE PROGRAM ST THOMAS (ELGIN WSS) 1989

	RAW	TREATED	SITE 1	SITE 2			
			STANDING	FREE FLOW	STANDING F	REE FLOW	
JAN	BDL	BDL	BDL	BDL	BDL	BDL	
FEB	.050 <t< td=""><td>BDL</td><td>.020 <t< td=""><td>.020 <t< td=""><td>BDL</td><td>.020 <t< td=""></t<></td></t<></td></t<></td></t<>	BDL	.020 <t< td=""><td>.020 <t< td=""><td>BDL</td><td>.020 <t< td=""></t<></td></t<></td></t<>	.020 <t< td=""><td>BDL</td><td>.020 <t< td=""></t<></td></t<>	BDL	.020 <t< td=""></t<>	
MAR	BDL	BDL	BDL	BDL	BDL	BDL	
APR	.290	.150 <t< td=""><td>.190 <t< td=""><td></td><td>.190 <t< td=""><td>.200 <t< td=""></t<></td></t<></td></t<></td></t<>	.190 <t< td=""><td></td><td>.190 <t< td=""><td>.200 <t< td=""></t<></td></t<></td></t<>		.190 <t< td=""><td>.200 <t< td=""></t<></td></t<>	.200 <t< td=""></t<>	
MAY	.040 <t< td=""><td>BDL</td><td>.050 <t< td=""><td>.050 <t< td=""><td>.040 <t< td=""><td>BDL</td></t<></td></t<></td></t<></td></t<>	BDL	.050 <t< td=""><td>.050 <t< td=""><td>.040 <t< td=""><td>BDL</td></t<></td></t<></td></t<>	.050 <t< td=""><td>.040 <t< td=""><td>BDL</td></t<></td></t<>	.040 <t< td=""><td>BDL</td></t<>	BDL	
JUN	.080 <t< td=""><td>!SH</td><td>.070 <t< td=""><td>.020 <t< td=""><td></td><td></td></t<></td></t<></td></t<>	!SH	.070 <t< td=""><td>.020 <t< td=""><td></td><td></td></t<></td></t<>	.020 <t< td=""><td></td><td></td></t<>			
JUL	.020 <t< td=""><td>.030 <7</td><td>BDL</td><td>BDL</td><td>BDL</td><td>BDL</td></t<>	.030 <7	BDL	BDL	BDL	BDL	
AUG	.030 <t< td=""><td>.020 <t< td=""><td>.060 <t< td=""><td>.060 <t< td=""><td>.020 <t< td=""><td>.020 <t< td=""></t<></td></t<></td></t<></td></t<></td></t<></td></t<>	.020 <t< td=""><td>.060 <t< td=""><td>.060 <t< td=""><td>.020 <t< td=""><td>.020 <t< td=""></t<></td></t<></td></t<></td></t<></td></t<>	.060 <t< td=""><td>.060 <t< td=""><td>.020 <t< td=""><td>.020 <t< td=""></t<></td></t<></td></t<></td></t<>	.060 <t< td=""><td>.020 <t< td=""><td>.020 <t< td=""></t<></td></t<></td></t<>	.020 <t< td=""><td>.020 <t< td=""></t<></td></t<>	.020 <t< td=""></t<>	
SEP	.130 <t< td=""><td>.040 <t< td=""><td>.060 <t< td=""><td>BDL</td><td>BDL</td><td>BDL</td></t<></td></t<></td></t<>	.040 <t< td=""><td>.060 <t< td=""><td>BDL</td><td>BDL</td><td>BDL</td></t<></td></t<>	.060 <t< td=""><td>BDL</td><td>BDL</td><td>BDL</td></t<>	BDL	BDL	BDL	
OCT	.030 <t< td=""><td>BDL</td><td>BDL</td><td>BDL</td><td>BDL</td><td>BDL</td></t<>	BDL	BDL	BDL	BDL	BDL	
NOV	.030 <t< td=""><td>BDL</td><td>BDL</td><td>BDL</td><td>BDL</td><td>BDL</td></t<>	BDL	BDL	BDL	BDL	BDL	
DEC	.020 <t< td=""><td>BDL</td><td>BDL</td><td>BDL</td><td>BDL</td><td>BDL</td></t<>	BDL	BDL	BDL	BDL	BDL	
URANIUM (UG/		•	• • • • • • • • • • • • • • • •	DET'N LIMIT = .020	GUIDELINE = 100.	(B1)	
JAN	.300	.180 <t< td=""><td>.190 <t< td=""><td>.220</td><td>.240</td><td>.220</td></t<></td></t<>	.190 <t< td=""><td>.220</td><td>.240</td><td>.220</td></t<>	.220	.240	.220	
FEB	.440	.300	.260	.210	.260	.280	
MAR	.440	. 430	.420	.380	.390	.420	
APR	.510	.430	.420	.440	.330	.300	
MAY	.470	.500	.380	.380	.390	.460	
JUN	.520	ISM	.440	.430			
JUL	.600	.470	.690	.560	.450	.440	
AUG	.510	.360	.430	.370	.440	.440	
SEP	.500	.340	.470	.420	.590	.650	
OCT	.340	.300	.310	.230	.240	.280	
NOV	.390	.230	.240	.220	.300	.230	
DEC	.390	.170 <ī	.170 <t< td=""><td>.210</td><td>.190 <t< td=""><td>.180 <t< td=""></t<></td></t<></td></t<>	.210	.190 <t< td=""><td>.180 <t< td=""></t<></td></t<>	.180 <t< td=""></t<>	
VANADIUM (UG	;/L)			DET'N LIMIT = .050	GUIDELINE = N/A		
JAN	1.200	.400 <t< td=""><td>.390 <t< td=""><td>.430 <t< td=""><td>.500 <t< td=""><td>.370 <t< td=""></t<></td></t<></td></t<></td></t<></td></t<>	.390 <t< td=""><td>.430 <t< td=""><td>.500 <t< td=""><td>.370 <t< td=""></t<></td></t<></td></t<></td></t<>	.430 <t< td=""><td>.500 <t< td=""><td>.370 <t< td=""></t<></td></t<></td></t<>	.500 <t< td=""><td>.370 <t< td=""></t<></td></t<>	.370 <t< td=""></t<>	
FEB	1.600	.310 <t< td=""><td>.300 <t< td=""><td>.250 <t< td=""><td>.340 <t< td=""><td>.330 <1</td></t<></td></t<></td></t<></td></t<>	.300 <t< td=""><td>.250 <t< td=""><td>.340 <t< td=""><td>.330 <1</td></t<></td></t<></td></t<>	.250 <t< td=""><td>.340 <t< td=""><td>.330 <1</td></t<></td></t<>	.340 <t< td=""><td>.330 <1</td></t<>	.330 <1	
MAR	.160 <t< td=""><td>.290 <t< td=""><td>.290 <t< td=""><td>.310 <t< td=""><td>.310 <t< td=""><td>.280 <t< td=""></t<></td></t<></td></t<></td></t<></td></t<></td></t<>	.290 <t< td=""><td>.290 <t< td=""><td>.310 <t< td=""><td>.310 <t< td=""><td>.280 <t< td=""></t<></td></t<></td></t<></td></t<></td></t<>	.290 <t< td=""><td>.310 <t< td=""><td>.310 <t< td=""><td>.280 <t< td=""></t<></td></t<></td></t<></td></t<>	.310 <t< td=""><td>.310 <t< td=""><td>.280 <t< td=""></t<></td></t<></td></t<>	.310 <t< td=""><td>.280 <t< td=""></t<></td></t<>	.280 <t< td=""></t<>	
APR	1.600	.360 <t< td=""><td>.410 <t< td=""><td>.390 <t< td=""><td>.380 <t< td=""><td>.250 <t< td=""></t<></td></t<></td></t<></td></t<></td></t<>	.410 <t< td=""><td>.390 <t< td=""><td>.380 <t< td=""><td>.250 <t< td=""></t<></td></t<></td></t<></td></t<>	.390 <t< td=""><td>.380 <t< td=""><td>.250 <t< td=""></t<></td></t<></td></t<>	.380 <t< td=""><td>.250 <t< td=""></t<></td></t<>	.250 <t< td=""></t<>	
MAY	.720	.440 <t< td=""><td>.380 <t< td=""><td>.390 <t< td=""><td>.540</td><td>.390 <t< td=""></t<></td></t<></td></t<></td></t<>	.380 <t< td=""><td>.390 <t< td=""><td>.540</td><td>.390 <t< td=""></t<></td></t<></td></t<>	.390 <t< td=""><td>.540</td><td>.390 <t< td=""></t<></td></t<>	.540	.390 <t< td=""></t<>	
JUN	.330 <7	1 SM	.430 <t< td=""><td>.450 <t< td=""><td>•</td><td>•</td></t<></td></t<>	.450 <t< td=""><td>•</td><td>•</td></t<>	•	•	
JUL	1.300	.480 <t< td=""><td>.470 <t< td=""><td>.450 <t< td=""><td>.490 <t< td=""><td>.430 <t< td=""></t<></td></t<></td></t<></td></t<></td></t<>	.470 <t< td=""><td>.450 <t< td=""><td>.490 <t< td=""><td>.430 <t< td=""></t<></td></t<></td></t<></td></t<>	.450 <t< td=""><td>.490 <t< td=""><td>.430 <t< td=""></t<></td></t<></td></t<>	.490 <t< td=""><td>.430 <t< td=""></t<></td></t<>	.430 <t< td=""></t<>	
AUG	.540	.480 <t< td=""><td>.480 <t< td=""><td>.470 <t< td=""><td>.500 <t< td=""><td>.520</td></t<></td></t<></td></t<></td></t<>	.480 <t< td=""><td>.470 <t< td=""><td>.500 <t< td=""><td>.520</td></t<></td></t<></td></t<>	.470 <t< td=""><td>.500 <t< td=""><td>.520</td></t<></td></t<>	.500 <t< td=""><td>.520</td></t<>	.520	
SEP	1.300	.680	.770	.790	.620	.560	
OCT	.670	.580	.540	.580	.510	.500 <t< td=""></t<>	
NOV	2.100	.570	.530	.570	.570	.510	
DEC	2.100	.500 <t< td=""><td>.520</td><td>.540</td><td>.400 <t< td=""><td>.410 <t< td=""></t<></td></t<></td></t<>	.520	.540	.400 <t< td=""><td>.410 <t< td=""></t<></td></t<>	.410 <t< td=""></t<>	
TINC (UG/L)			DET'N LIMIT = .001	GUIDELINE = 5000). (A3)	
JAN	4.900	.570 <7	6.300	1.400	4.900	1.100	
FEB	6.200	.900 <t< td=""><td>3.000</td><td>1.400</td><td>7.000</td><td>1.100</td></t<>	3.000	1.400	7.000	1.100	
MAR	.470 <t< td=""><td>.880 <t< td=""><td>3.100</td><td>1.400</td><td>6.200</td><td>1.300</td></t<></td></t<>	.880 <t< td=""><td>3.100</td><td>1.400</td><td>6.200</td><td>1.300</td></t<>	3.100	1.400	6.200	1.300	
APR	7.200	1.200	4.500	2.200	4.200	2.000	
MAY	3.800	1.400	2.500	1.700	6.400	2.700	

TABLE 5 DRINKING WATER SURVEILLANCE PROGRAM ST THOMAS (ELGIN WSS) 1989

	RAW	TREATED	SITE 1			
	,		STANDING	FREE FLOW	STANDING	FREE FLOW
JUN	2.300	! SH	3.600	2.200	•	
JUL	6.400	1.900	7.200	2.700	4.300	2.100
AUG	1.300	.740 <t< th=""><th>7.200</th><th>1.600</th><th>4.700</th><th>1.000 <t< th=""></t<></th></t<>	7.200	1.600	4.700	1.000 <t< th=""></t<>
SEP	6.300	1.700	3.400	2.600	6.100	2.600
OCT	2.100	.690 <t< th=""><th>4.700</th><th>1.600</th><th>13.000</th><th>1.400</th></t<>	4.700	1.600	13.000	1.400
NOV	9.200	1.300	6.000	2.100	4.100	1.500
DEC	8.700	.880 <t< th=""><th>3.300</th><th>1.300</th><th>8.300</th><th>1.200</th></t<>	3.300	1.300	8.300	1.200

TABLE 5

WATER TREATMENT PLANT DISTRIBUTION SYSTEM

RAW TREATED SITE 1

SITE 2

				STAND	ING	FREE FLOW		STANDING	FREE F	LOW	
	PI	ESTICIDE	S & PCB								
LPHA BHC	(NG/L)			DET'N LIP	4IT = 1.000		GUIDELINE	= 700 (G)		
JAN	2.000	<t< td=""><td>1.000</td><td><1</td><td>•</td><td>1.0</td><td>00 <t< td=""><td>•</td><td></td><td>1.000</td><td><</td></t<></td></t<>	1.000	<1	•	1.0	00 <t< td=""><td>•</td><td></td><td>1.000</td><td><</td></t<>	•		1.000	<
FEB	3.000	<t< td=""><td>2.000</td><td><t< td=""><td></td><td>BI</td><td>DL</td><td>•</td><td></td><td>BDL</td><td></td></t<></td></t<>	2.000	<t< td=""><td></td><td>BI</td><td>DL</td><td>•</td><td></td><td>BDL</td><td></td></t<>		BI	DL	•		BDL	
MAR	2.000	<t< td=""><td>2.000</td><td><t< td=""><td>•</td><td>1.0</td><td>T> 00</td><td></td><td></td><td>2.000</td><td><</td></t<></td></t<>	2.000	<t< td=""><td>•</td><td>1.0</td><td>T> 00</td><td></td><td></td><td>2.000</td><td><</td></t<>	•	1.0	T> 00			2.000	<
APR	!PE		2.000	<t< td=""><td>•</td><td>1.0</td><td>T> 00</td><td></td><td></td><td>BDL</td><td></td></t<>	•	1.0	T> 00			BDL	
MAY	1.000	<t< td=""><td>BOL</td><td></td><td></td><td>Bi</td><td>DL</td><td></td><td></td><td>BOL</td><td></td></t<>	BOL			Bi	DL			BOL	
JUN	BDL		BOL		•	BI	DL				
JUL	3.000	<7	BDL		•	BI	DL			2.000	<
AUG	BOL		BDL			BI	DL			BDL	
SEP	BDL		BOL			BI	DL			BDL	
OCT	BDL		BDL			BI	DL			BDL	
NOV	BOL		BDL			В	DL			BDL	
DEC	1.000	<t< td=""><td>BDL</td><td></td><td>•</td><td>BI</td><td>DL</td><td>•</td><td></td><td>BDL</td><td></td></t<>	BDL		•	BI	DL	•		BDL	
INDANE (N	G/L)	••••••			DET'N LIM	AIT = 1.000		GUIDELINE	= 4000 (A1)		
JAN	BDL		BDL			84	DL			BDL	
FEB	2.000	<1	1.000	<1	•	Bü	DL			BDL	
MAR	BDL		BDL			В	DL			BDL	
APR	!PE		BOL		•	В	DL			BDL	
MAY	BOL		BOL			BU	DL			BOL	
JUN	BDL		BDL		•	В	DL				
JUL	BDL		BDL			В)L			BOL	
AUG	BDL		BDL		•	В	DL			BDL	
SEP	BDL		BDL		•	В	DL			BDL	
OCT	BDL		BDL		•	BC	OL .			BDL	
NOV	BDL		BOL		•	ВС	DL			BDL	
DEC	BDL		BDL		•	BC	DL	•		BDL	
TRAZINE (I	NG/L)			(DET'N LIM	IIT = 50.00		GUIDELINE	= 60000 (B3))	
JAN	BDL		BOL		•	ВС)L			BDL	
FEB	BDL		BOL			ВС	DL			BDL	
MAR	BOL		BOL			BC	DL			BDL	
APR	BDL		BDL			80)L			BDL	
MAY	BDL		BDL			BC	DL		130	.000	<
MUL	BOL		BDL			BC	DL				
JUL	BOL		BOL			BC				BDL	
AUG	90.000	<t< td=""><td>50.000</td><td><1</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></t<>	50.000	<1							
SEP	BOL		BDL								
OCT	BOL		BDL								
NOV	BOL		BDL								
DEC	BOL		BOL								

DRINKING WATER SURVEILLANCE PROGRAM ST THOMAS (ELGIN WSS) 1989

	RAW	TREATED	SITE 1		SITE 2	
			STANDING	FREE FLOW	STANDING	FREE FLOW
	PHENOL 1	cs				
PHENOLICS	(UG/L)		DET'N L	IMIT = 0.2	GUIDELINE =	2.00 (A3)
JAN	.800	1.000				
FEB	1.800	1.600		•	•	•
MAR	1.000	1.200			•	
APR	1.200	1.000				
MAY	4.400	9.200			•	•
JUN	1.600	1.200				
JUL	4.000	1.000				
AUG	1.000 <t< th=""><th>.400 <t< th=""><th></th><th>•</th><th></th><th>•</th></t<></th></t<>	.400 <t< th=""><th></th><th>•</th><th></th><th>•</th></t<>		•		•
SEP	BDL	.600 <t< th=""><th></th><th>•</th><th></th><th>•</th></t<>		•		•
OCT	1.600	1.000	•			
NOV	1.000	BDL		•		
DEC	1.000	.600 <t< th=""><th>•</th><th>•</th><th></th><th></th></t<>	•	•		

TABLE 5

TABLE 5

	RAW	TREATED	SITE 1		SITE 2	
			STANDING	FREE FLOW	STANDING	FREE FLOW
	VOLATIL	FS				
TOLUENE (UG/				DET'N LIMIT = .050	GUIDELINE = 2	24.0 (B4)
JAN	BDL	BDL		.050 <7		.050 <t< td=""></t<>
FEB	BOL	BDL	•	BDL		BOL
MAR	BDL	BDL	•	.100 <t< td=""><td></td><td>BOL</td></t<>		BOL
APR	BDL	BDL		BOL		BDL
MAY	BDL	BDL		BOL	•	BDL
JUN	BOL	BOL	•	BDL	•	•
JUL	BOL	.050 <t< td=""><td></td><td>.050 <t< td=""><td>•</td><td>.050 <t< td=""></t<></td></t<></td></t<>		.050 <t< td=""><td>•</td><td>.050 <t< td=""></t<></td></t<>	•	.050 <t< td=""></t<>
AUG	BDL	.050 <t< td=""><td></td><td>.050 <t< td=""><td></td><td>BOL</td></t<></td></t<>		.050 <t< td=""><td></td><td>BOL</td></t<>		BOL
SEP	BDL	BOL		BDL		BOL
OCT	BDL	BOL		!BT		BOL
NOV	BDL	BDL	•	BDL		BOL
DEC	BDL	BDL	•	Įυ	•	IU
ETHYLBENZENE	(UG/L)			DET'N LIMIT = .050	GUIDELINE = 2	2.4 (B4)
JAN	BDL	BDL	•	.050 <t< td=""><td></td><td>BOL</td></t<>		BOL
FEB	BDL	.050 <t< td=""><td></td><td>.050 <t< td=""><td></td><td>BDL</td></t<></td></t<>		.050 <t< td=""><td></td><td>BDL</td></t<>		BDL
MAR	BDL	BDL		.050 <t< td=""><td></td><td>BDL</td></t<>		BDL
APR	BDL	BDL		BOL		BDL
MAY	BDL	BDL		BDL		BOL
JUN	BDL	BOL		BDL		•
JUL	BDL	BDL		BDL		BDL
AUG	BDL	BDL		BDL		BOL
SEP	BDL	BDL		BDL	•	BDL
OCT	BDL	BDL		IBT		BOL
NOV	BDL	BDL		BDL		BDL
DEC	BDL	BDL	•	Iυ	•	10
STYRENE (UG/	L)			DET'N LIMIT = .050	GUIDELINE = 4	6.5 (D2)
JAN	.300 <t< td=""><td>BDL</td><td></td><td>BDL</td><td></td><td>BDL</td></t<>	BDL		BDL		BDL
FEB	BOL	.100 <t< td=""><td></td><td>BDL</td><td></td><td>BDL</td></t<>		BDL		BDL
MAR	.250 <t< td=""><td>BDL</td><td></td><td>BDL</td><td></td><td>BDL</td></t<>	BDL		BDL		BDL
APR	BDL	BOL		BDL		BDL
MAY	BDL	BOL		BDL		BDL
JUN	.100 <t< td=""><td>BDL</td><td></td><td>BDL</td><td></td><td></td></t<>	BDL		BDL		
JUL	.050 <t< td=""><td>BDL</td><td></td><td>BDL</td><td></td><td>.100 <t< td=""></t<></td></t<>	BDL		BDL		.100 <t< td=""></t<>
AUG	.100 <t< td=""><td>.050 <t< td=""><td></td><td>.100 <t< td=""><td></td><td>.100 <t< td=""></t<></td></t<></td></t<></td></t<>	.050 <t< td=""><td></td><td>.100 <t< td=""><td></td><td>.100 <t< td=""></t<></td></t<></td></t<>		.100 <t< td=""><td></td><td>.100 <t< td=""></t<></td></t<>		.100 <t< td=""></t<>
SEP	BDL	BDL	•	BDL	•	BDL
OCT	BDL	BOL	•	187	•	BDL
NOV	BDL	BOL	•	.100 <t< td=""><td>•</td><td>BOL</td></t<>	•	BOL
DEC	BDL	BOL		10		10
				DET'N LIMIT = .100	GUIDELINE = 3	350 (A1+)
CHLOROFORM (JG/L)					
CHLOROFORM (I		15.000		13.900		14 . 900
JAN FEB	BDL BDL	15.000 13.200	•	13.900 12.900		14.900 14.200

TABLE 5

	RAW.	TREATED	SITE 1		SITE 2	
			STANDING	FREE FLOW	STANDING	FREE FLOW
APR	BDL	18.300	•	13.000	•	16.400
MAY	BOL	19.600	•	21.200	•	19.800
JUN	.300 <t< td=""><td>17.400</td><td>•</td><td>21.500</td><td>•</td><td>•</td></t<>	17.400	•	21.500	•	•
JUL	BDL	19.700	•	18.000	•	19.300
AUG	.200 <t< td=""><td>65.600</td><td>•</td><td>22.700</td><td>•</td><td>21.000</td></t<>	65.600	•	22.700	•	21.000
SEP	.100 <t< td=""><td>22.700</td><td>•</td><td>18.900</td><td>•</td><td>20.000</td></t<>	22.700	•	18.900	•	20.000
OCT	BOL	21.200	•	IBT	•	19.800
NOV	BDL	14.900	•	15.800	•	17.400
DEC	BDL	15.700		10		וט
111, TRICHL	OROETHANE (UG/L	>		DET'N LIMIT = .020	GUIDELINE =	200 (D1)
NAL	BDL	BDL		BDL		BOL
FEB	BDL	BDL	•	BDL	•	BOL
MAR	BOL	BDL	•	BDL	•	.020 <t< td=""></t<>
APR	BDL	BDL	•	BDL	•	BDL
MAY	BDL	BDL	•	BDL	•	BDL
JUN	BDL	BOL	•	BDL		•
JUL	BDL	BDL	•	.020 <t< td=""><td></td><td>BOL</td></t<>		BOL
AUG	BOL	BOL		BDL		BOL
SEP	.040 <t< td=""><td>BDL</td><td></td><td>BDL</td><td></td><td>BDL</td></t<>	BDL		BDL		BDL
OCT	BOL	BDL	•	187	•	BDL
NOV	.060 <t< td=""><td>BDL</td><td></td><td>BDL</td><td>•</td><td>BDL</td></t<>	BDL		BDL	•	BDL
DEC	BDL	BDL	•	ΙU		IU
DICHLOROBRO	MOMETHANE (UG/L)		DET'N LIMIT = .050	GUIDELINE =	350 (A1+)
JAN	BDL	9.250		8.800		10.050
FEB	BDL	8.850		9.200		9.900
MAR	BDL	10.700		12.800		13. <i>7</i> 50
APR	BDL	12.050		9.000 APS		11.100
MAY	BDL	11.150		12.400		11.500
JUN	.100 <t< td=""><td>10.050</td><td>•</td><td>12.400</td><td></td><td></td></t<>	10.050	•	12.400		
JUL	.100 <t< td=""><td>12.000</td><td></td><td>11.100</td><td></td><td>11.900</td></t<>	12.000		11.100		11.900
AUG	.150 <t< td=""><td>12.800</td><td></td><td>12.450</td><td></td><td>13.000</td></t<>	12.800		12.450		13.000
SEP	.150 <t< td=""><td>12.200</td><td></td><td>10.850</td><td></td><td>11.800</td></t<>	12.200		10.850		11.800
OCT	BDL	12.750		1BT		12.800
NOV	BDL	9.500		10.350		10.150
DEC	BDL	10.050	•	וט	•	IU
CHLOROD I BRO	MOMETHANE (UG/L)		DET'N LIMIT = .100	GUIDELINE =	350 (A1+)
JAN	BDL	4.800		4.500		4.900
FEB	BDL	4.300		4.300		4.900
MAR	BDL	5.000		5.100		6.200
APR	BDL	5.500		3.900		5.200
MAY	BDL	6.200		5.800		5.100
JUN	BDL	4.800		5.400		•
JUL	.100 <t< td=""><td>5.100</td><td>•</td><td>5.000</td><td></td><td>5.500</td></t<>	5.100	•	5.000		5.500

TABLE 5

	RAW	TREATED	SITE 1		SITE 2	
			STANDING	FREE FLOW	STANDING	FREE FLOW
SEP	.100 <7	5.700		5.500		6.200
OCT	BDL	5.700		IBT		6.200
NOV	BDL	5.400		5.000		6.200
DEC	BDL	4.300	•	IU	•	10
T-CHLOROETHY	YLENE (UG/L)		050. = 11MIT = .050	GUIDELINE =	10.0 (C2)
MAL	BDL	BDL		BDL		BDL
FEB	BDL	BDL		BDL		BDL
MAR	BDL	BDL		BDL		BDL
APR	BDL	BDL	•	BDL		BDL
HAY	BDL	BDL	•	BDL		BDL
JUN	BDL	.050 <1	•	.050 <7		•
JUL	BDL	BDL	•	.100 <7	·	BOL
AUG	BDL	BDL	•	BDL	•	BDL
SEP		.050 <t< td=""><td>•</td><td>.300 <1</td><td>•</td><td>.050 <t< td=""></t<></td></t<>	•	.300 <1	•	.050 <t< td=""></t<>
	BDL		•	1BT	•	BDL
OCT	BDL	BOL	•		•	BOL
NOV	BDL	BDL	•	BDL	•	IU
DEC	BDL	BDL		IU	•	
BROMOFORM (UG/L)			DET'N LIMIT = .200	GUIDELINE =	350 (A1+)
JAN	BDL	.400 <t< td=""><td></td><td>.400 <7</td><td>•</td><td>.400 <t< td=""></t<></td></t<>		.400 <7	•	.400 <t< td=""></t<>
FEB	BDL	.400 <t< td=""><td></td><td>.400 <1</td><td>•</td><td>.400 <t< td=""></t<></td></t<>		.400 <1	•	.400 <t< td=""></t<>
MAR	BDL	.600 <t< td=""><td></td><td>.600 <t< td=""><td></td><td>.600 <t< td=""></t<></td></t<></td></t<>		.600 <t< td=""><td></td><td>.600 <t< td=""></t<></td></t<>		.600 <t< td=""></t<>
APR	BDL	BDL		BDL		.400 <t< td=""></t<>
MAY	BDL	.800 <t< td=""><td></td><td>.400 <t< td=""><td>•</td><td>.400 <t< td=""></t<></td></t<></td></t<>		.400 <t< td=""><td>•</td><td>.400 <t< td=""></t<></td></t<>	•	.400 <t< td=""></t<>
JUN	BDL	.600 <t< td=""><td>•</td><td>.600 <t< td=""><td></td><td>•</td></t<></td></t<>	•	.600 <t< td=""><td></td><td>•</td></t<>		•
JUL	BDL	.600 <t< td=""><td></td><td>.600 <t< td=""><td>•</td><td>.600 <t< td=""></t<></td></t<></td></t<>		.600 <t< td=""><td>•</td><td>.600 <t< td=""></t<></td></t<>	•	.600 <t< td=""></t<>
AUG	BDL	BDL	•	.600 <t< td=""><td></td><td>.800 <t< td=""></t<></td></t<>		.800 <t< td=""></t<>
SEP	BDL	.600 <t< td=""><td></td><td>.600 <t< td=""><td>•</td><td>.600 <t< td=""></t<></td></t<></td></t<>		.600 <t< td=""><td>•</td><td>.600 <t< td=""></t<></td></t<>	•	.600 <t< td=""></t<>
OCT	BDL	.600 <t< td=""><td></td><td>187</td><td></td><td>.800 <t< td=""></t<></td></t<>		187		.800 <t< td=""></t<>
NOV	BDL	.600 <t< td=""><td></td><td>.600 <t< td=""><td></td><td>.800 <t< td=""></t<></td></t<></td></t<>		.600 <t< td=""><td></td><td>.800 <t< td=""></t<></td></t<>		.800 <t< td=""></t<>
DEC	BDL	.400 <7		10	•	10
TOTL TRIHALO	OMETHANES (UG/	L)		DET'N LIMIT = .500	GUIDELINE =	350 (A1)
JAN	BDL	29.450		27.600		30.250
FEB	BDL	26.750		26.800		29.400
MAR	BDL	30.400	•	36.400	•	39.550
APR	BDL	32.850	•	25.900	•	33.100
MAY	BDL	37.750	•	39.800	•	36.800
JUN	BDL	32.850	4	39.900	•	
JUL	BDL	37.400	•	34.700	•	37.300
			•		•	41.400
AUG	BDL	80.000	•	40.950	•	
SEP	BDL	41.200	•	35.850	•	38.600
OCT	BDL	40.250	•	IBT	•	39.600
NOV	BDL	30.400	•	31.750	•	34.550
DEC	BDL	30.400		10		וט

TABLE 5

DRINKING WATER SURVEILLANCE PROGRAM ST THOMAS (ELGIN WSS) 1989

WATER TREATMENT PLANT

DISTRIBUTION SYSTEM

KAW	IKENIED	2115 1		3112 2	
		STANDING	FREE FLOW	STANDING	FREE FLOW

TRACE LEVELS OF TOLUENE ARE LABORATORY ARTIFACTS DERIVED FROM THE ANALYTICAL METHODOLOGY.

TRACE LEVELS OF STYRENE ARE CONSIDERED TO BE LABORATORY ARTIFACTS RESULTING FROM THE LABORATORY SHIPPING CONTAINERS.

Table 6

	DETECTION				
SCAN/PARAMETER	UNIT	LIMIT	GUIDE	CLINE	
BACTERIOLOGICAL					
FECAL COLIFORM MEMBRANE FILTRATION	CT/100ML	0	0	(7.1)	
STANDARD PLATE COUNT MEMBRANE	CT/ML	0	0 500 / N	(A1) (L(A1)	
FILTRATION	CI/III	O	300/F	IL(AI)	
TOTAL COLIFORM MEMBRANE FILTRATION	CT/100ML	0	5/100m	nI.(A1)	
TOTAL COLIFORM BACKGROUND MF	CT/100ML	0	N/A	(112)	
			3.722		
CHLOROAROMATICS					
HEXACHLOROBUTADIENE	NC /T	1 000	450	(D4)	
1,2,3-TRICHLOROBENZENE	NG/L NG/L		450. 10000	(D4)	
1,2,3,4-TETRACHLOROBENZENE	NG/L NG/L		10000	(I) (I)	
1,2,3,4-TETRACHLOROBENZENE	NG/L NG/L		10000	(I)	
1,2,4-TRICHLOROBENZENE	NG/L		10000	(I)	
1,2,4,5-TETRACHLOROBENZENE	NG/L		38000	(D4)	
1,3,5-TRICHLOROBENZENE	NG/L		10000	(D4)	
HEXACHLOROBENZENE	NG/L	1.0	10.	(C1)	
HEXACHLOROETHANE	NG/L		1900.	(D4)	
OCTACHLOROSTYRENE	NG/L	1.000		(24)	
PENTACHLOROBENZENE	NG/L		74000	(D4)	
2,3,6-TRICHLOROTOLUENE	NG/L	5.000		(,	
2,4,5-TRICHLOROTOLUENE	NG/L	5.000	-		
2,6,A-TRICHLOROTOLUENE	NG/L	5.000			
	•				
CHLOROPHENOLS					
2,3,4-TRICHLOROPHENOL	NG/L	50.	N/A		
2,3,4,5-TETRACHLOROPHENOL	NG/L	50.	N/A		
2,3,5,6-TETRACHLOROPHENOL	NG/L	50.	N/A		
2,4,5-TRICHLOROPHENOL	NG/L	50. 2	600000	(D4)	
2,4,6-TRICHLOROPHENOL	NG/L	50.	2000.	(B4)	
PENTACHLOROPHENOL	NG/L	50.	30000.	(B4)	
CHEMISTRY (FLD)					
FIELD COMBINED CHLORINE RESIDUAL	MG/L	N/A	N/A		
FIELD FREE CHLORINE RESIDUAL	MG/L	N/A	N/A		
FIELD TOTAL CHLORINE RESIDUAL	MG/L	N/A	N/A		
FIELD PH	DMSNLESS		6.5-8.	5(A4)	
FIELD TEMPERATURE	°C	N/A	<15 °C		
FIELD TURBIDITY	FTU	N/A		(A1)	
CHEMISTRY (LAB)					
` ,					
ALKALINITY	MG/L	.200	30-50	O(A4)	
CALCIUM	MG/L	.100		, ,	
CYANIDE	MG/L	.001		0(A1)	
CHLORIDE	MG/L	.200		' '	
COLOUR	TCU	. 5		(A3)	
CONDUCTIVITY	UMHO/CM	1.	400.		
FLUORIDE	MG/L	.01		(A1)	
HARDNESS	MG/L	.50		O(A4)	
MAGNESIUM	MG/L	.05	30.	(F2)	

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	DE	TECTION
SCAN/PARAMETER	UNIT	LIMIT GUIDELINE
	4=	
NITRITE	MG/L	.001 1.0 (A1) .02 10. (A1)
TOTAL NITRATES	MG/L MG/L	.02 N/A
NITROGEN TOTAL KJELDAHL	DMSNLESS	
PH PROGRAMMENT PROGRAMMENT	MG/L	.0005 N/A
PHOSPHORUS FIL REACT	MG/L	.002 .40(F2)
PHOSPHORUS TOTAL SULPHATE	MG/L	.200 500. (A3)
TOTAL SOLIDS	MG/L	1. 500. (A3)
TURBIDITY	FTU	.02 1.0 (A1)
TONDIDIII		
METALS		
	110 /7	.050 100. (A4)
ALUMINUM	UG/L UG/L	.050 100. (R4)
ANTIMONY	UG/L	.050 50. (A1)
ARSENIC	UG/L	.020 1000. (A1)
BARIUM	UG/L	.200 5000. (Al)
BORON BERYLLIUM	UG/L	.010 0.20 (H)
CADMIUM	UG/L	.050 5.0 (A1)
COBALT	UG/L	.020 1000. (H)
CHROMIUM	UG/L	.100 50. (A1)
COPPER	UG/L	.100 1000. (A3)
IRON	UG/L	5.0 300. (A3)
MERCURY	UG/L	.01 1.0 (A1)
MANGANESE	UG/L	.050 50. (A3)
MOLYBDENUM	UG/L	.020 500. (H)
NICKEL	UG/L	.100 50. (F3)
LEAD	UG/L	.020 50. (A1) .200 10. (A1)
SELENIUM	UG/L	.200 10. (A1) .020 50. (A1)
SILVER	UG/L UG/L	.100 2000. (H)
STRONTIUM	UG/L	.010 13. (D4)
THALLIUM TITANIUM	UG/L	.100 N/A
URANIUM	UG/L	.020 20. (A2)
VANADIUM	UG/L	.020 100. (H)
ZINC	UG/L	.020 5000. (A3)
PHENOLICS		
PHENOLICS (UNFILTERED REACTIVE)	UG/L	.2 2.0 (A3)
1		
PESTICIDES & PCB		
ALDRIN	NG/L	1.0 700. (A1)
AMETRINE	NG/L	50. 300000. (D3)
ATRAZINE	NG/L	50. 60000. (B3)
ALPHA HEXACHLOROCYCLOHEXANE (BHC)	*	1.0 700. (G)
BETA HEXACHLOROCYCLOHEXANE (BHC)	NG/L	1.0 300. (G)
GAMMA HEXACHLOROCYCLOHEXANE (LINDANE)	•	1.0 4000. (A1)
ALPHA CHLORDANE	NG/L	2.0 7000. (A1)
GAMMA CHLORDANE	NG/L	2.0 7000. (A1)
BLADEX	NG/L	100. 10000. (B3)
DIELDRIN	NG/L	2.0 700. (A1)
METHOXYCHLOR	NG/L	5.0 900000. (B1)
ENDOSULFAN 1 (THIODAN I)	NG/L	2.0 74000. (D4)
ENDOSULFAN 2 (THIODAN II)	NG/L	4.0 74000. (D4)
ENDRIN	NG/L	4.0 200. (A1)
ENDOSULFAN SULPHATE (THIODAN SULPHATE	E)NG/L	4.0 N/A

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	I	ETECTION		
SCAN/PARAMETER	UNIT	LIMIT	GUIDE	LINE
HEPTACHLOR EPOXIDE	NG/L	1.0	3000.	(A1)
HEPTACHLOR	NG/L	1.0	3000.	(A1)
METOLACHLOR	NG/L	500.	50000.	(B3)
MIREX	NG/L	5.0	N/A	
OXYCHLORDANE	NG/L	2.0	N/A	
O,P-DDT	NG/L	5.0	30000.	(A1)
PCB	NG/L	20.0	3000.	(A2)
O,P-DDD	NG/L	5.0	N/A	
PPDDE	NG/L	1.0	30000.	(A1)
PPDDT	NG/L	5.0	30000.	(A1)
ATRATONE	NG/L	50.	N/A	
ALACHLOR	NG/L			(D2)
PROMETONE	NG/L	50.		(D3)
PROPAZINE	NG/L	50.		(D2)
PROMETRYNE	NG/L	50.	1000.	(B3)
SENCOR (METRIBUZIN)		100.		(B2)
SIMAZINE	NG/L	50.	10000.	(B3)
POLYAROMATIC BYDROCARBONS				
PHENANTHRENE	NG/L	10.0	N/A	
ANTHRACENE	NG/L	1.0	N/A	
FLUORANTHENE	NG/L	20.0	42000.	(D4)
PYRENE	NG/L	20.0	N/A	
BENZO (A) ANTHRACENE	NG/L	20.0	N/A	
CHRYSENE	NG/L	50.0	N/A	
DIMETHYL BENZO(A)ANTHRACENE	NG/L	5.0	N/A	
BENZO(E) PYRENE	NG/L	50.0	N/A	
BENZO(B) FLUORANTHENE	NG/L	10.0	N/A	
PERYLENE	NG/L	10.0	N/A	
BENZO(K) FLUORANTHENE	NG/L	1.0	N/A	(D1)
BENZO(A) PYRENE	NG/L	5.0	10.	(B1)
BENZO(G, H, I) PERYLENE DIBENZO(A, H) ANTHRACENE	NG/L NG/L	20.0	N/A N/A	
INDENO(1,2,3-C,D)PYRENE	NG/L	20.0	N/A	
BENZO(B)CHRYSENE	NG/L	2.0	N/A	
CORONENE	NG/L	10.0	N/A	
	1.072	10.0	.,,.,	
SPECIFIC PESTICIDES				
TOXAPHENE	NG/L	N/A	5000.	(A1)
2,4,5-TRICHLOROBUTYRIC ACID (2,4,5-T)	NG/L	50.	200000.	(B4)
2,4-DICHLOROBUTYRIC ACID (2,4-D)	NG/L	100.	100000.	(A1)
2,4-DICHLORORPHENOXYBUTYRIC ACID	NG/L	200.	18000.	(B3)
2,4-D PROPIONIC ACID	NG/L	100.	N/A	
DICAMBA	NG/L	100.	120000.	(B1)
PICLORAM	NG/L	100.	190000.	(B3)
SILVEX (2,4,5-TP)	NG/L	50.	10000.	(A1)
DIAZINON	NG/L	20.	20000.	(B1)
DICHLOROVOS	NG/L	20.	N/A	
DURSBAN	NG/L	20.	N/A	
ETHION	NG/L	20.	35000.	(G)
GUTHION (AZINPHOSMETHYL)	NG/L	N/A	20000.	(B1)
MALATHION	NG/L	20.	190000.	(B1)
MEVINPHOS	NG/L	20.	N/A	
METHYL PARATHION	NG/L	50.	7000.	(A1)
METHYLTRITHION	NG/L	20.	N/A	

	DETECTION			
SCAN/PARAMETER	UNIT	LIMIT	GUIDEL	INE
SCAN/ FARAMETER	01122	232		
PARATHION	NG/L	20.	50000.	(B1)
PHORATE (THIMET)	NG/L	20.	2000.	(B3)
RELDAN	NG/L	20.	N/A	
RONNEL	NG/L	20.	N/A	
AMINOCARB	NG/L	N/A	N/A	
BENONYL	NG/L	N/A	N/A	
BUX (METALKAMATE)	NG/L	2000.	N/A	
CARBOFURAN	NG/L	2000.	90000.	(B1)
CICP (CHLORPROPHAM)	NG/L	2000.	350000.	(G)
DIALLATE	NG/L	2000.	30000.	(H)
EPTAM	NG/L	2000.	N/A	
IPC	NG/L	2000.	N/A	
PROPOXUR (BAYGON)	NG/L	2000.	90000.	(G)
SEVIN (CARBARYL)	NG/L	200.	90000.	(B1)
SUTAN (BUTYLATE)	NG/L	2000.	245000.	(D3)
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VOLATILES				
BENZENE	UG/L	.05	0 5.0	(B1)
TOLUENE	UG/L	.05	0 24.0	(B4)
ETHYLBENZENE	UG/L	.05	0 2.4	(B4)
PARA-XYLENE	UG/L	.10	0 300.	(B4)
META-XYLENE	UG/L	.10	0 300.	(B4)
ORTHO-XYLENE	UG/L	.05	0 300.	(B4)
1,1-DICHLOROETHYLENE	UG/L	.10		(D1)
ETHLYENE DIBROMIDE	UG/L	.05	.0	5 G)
METHYLENE CHLORIDE	UG/L	.50	0 50.	(B1)
TRANS-1,2-DICHLOROETHYLENE	UG/L	.10	0 70.	(D5)
1,1-DICHLOROETHANE	UG/L	.10	O N/A	
CHLOROFORM	UG/L	.10		
1,1,1-TRICHLOROETHANE	UG/L	.02		
1,2-DICHLOROETHANE	UG/L	.05		(D1)
CARBON TETRACHLORIDE	UG/L	.20	0 5.0	(B1)
1,2-DICHLOROPROPANE	UG/L	.05	0 6.0	(D5)
TRICHLOROETHYLENE	UG/L	.10	0 50.	(B1)
DICHLOROBROMOMETHANE	UG/L	.05		(A1+)
1,1,2-TRICHLOROETHANE	UG/L	.05		O(D4)
CHLORODIBROMOMETHANE	UG/L	.10		(A1+)
TETRACHLOROETHYLENE	UG/L	.05		(C2)
BROMOFORM	UG/L	.20		(A1+)
1,1,2,2-TETRACHLOROETHANE	UG/L	.05		7(D4)
CHLOROBENZENE	UG/L	.10	0 60.	(D5)
1,4-DICHLOROBENZENE	UG/L	.10		(B4)
1,3-DICHLOROBENZENE	UG/L	.10	0 130.	(G)
	22 m 12	0.5	0 2 0	(DA)

UG/L

UG/L

UG/L

UG/L

3.0 (B4)

140. (D5)

N/A

.500 350. (A1)

.050

.100

.05

1,2-DICHLOROBENZENE

STYRENE

TRIFLUOROCHLOROTOLUENE TOTAL TRIHALOMETHANES

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